



STIC Search Report

EIC 2600

STIC Database Tracking Number: 127998

TO: Scott Beliveau
Location: CPK2 6C41
Art Unit: 2614
Thursday, July 29, 2004

Case Serial Number: 09/760,839

From: Pamela Reynolds
Location: EIC 2600
PK2-3C03
Phone: 306-0255

Pamela.Reynolds@uspto.gov

Search Notes

Dear Scott Beliveau

Please find attached the search results for 09760839. the search strategy I emailed to you to edit, which you did. I searched the standard Dialog files, IBM TDBs, IEEE, and the internet.

If you would like a re-focus please let me know.

Thank you.

Pamela Reynolds
EIC 2600

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Scott BELIVEAU Examiner #: 79346 Date: 7/23/04
Art Unit: 2614 Phone Number 305 4907 Serial Number: 09/760,839
Location: 6C 41 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: APPARATUS FOR PROCESSING PROGRAM GUIDE
Inventors (please provide full names): JUNG HYE LEE

Earliest Priority Filing Date: 1/17/2000

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

- Looking for information regarding the TRANSPORT STREAM components of DirectTV's Advanced program guide (APG) particularly information regarding what VALUES are in the header RECORDS of packets, frames, and objects
- Along those lines, I'm looking for details of a TRANSPORT demultiplexer that will PROCESS an APG formatted program guide (ex how it works with respect to memory buffering)

Keywords: (SCID frame) with filer

STAFF USE ONLY

Searcher: Pamela Reynolds
Searcher Phone #: 305-0255
Searcher Location: 1K2 3603
Date Searcher Picked Up: 7-29-04
Date Completed: 7-29-04
Searcher Prep & Review Time: 68
Clerical Prep Time: _____
Online Time: 112

Type of Search

NA Sequence (#) _____
AA Sequence (#) _____
Structure (#) _____
Bibliographic ☒
Litigation _____
Fulltext ☒
Patent Family _____
Other _____

Vendors and cost where applicable

STN _____
Dialog ☒
Questel/Orbit _____
Dr.Link _____
Lexis/Nexis _____
Sequence Systems _____
WWW/Internet ☒
Other (specify) _____



US 20010009034A1

(19) **United States**(12) **Patent Application Publication**

Lee

(10) Pub. No.: **US 2001/0009034 A1**(43) Pub. Date: **Jul. 19, 2001**(54) **APPARATUS FOR PROCESSING DATA OF PROGRAM GUIDE**

(52) U.S. Cl. 725/39

(76) Inventor: **Jung Hye Lee, Seoul (KR)**(57) **ABSTRACT**

Correspondence Address:

BIRCH STEWART KOLASCH & BIRCH**PO BOX 747****FALLS CHURCH, VA 22040-0747 (US)**(21) Appl. No.: **09/760,839**(22) Filed: **Jan. 17, 2001**(30) **Foreign Application Priority Data**

Jan. 17, 2000 (KR) 2000-2066

Publication Classification(51) Int. Cl.⁷ G06F 3/00; H04N 5/445;
G06F 13/00

A program guide data processing apparatus which can effectively use a frame_filter by effectively combining SCIDs of an SCID_filter (corresponding to the conventional PID_filter) and frame_headers of a frame_filter (corresponding to the conventional section_filter), and which can reduce the size of a buffer for storing APG data by effectively using the buffer. The apparatus has the feature that the SCID_filter (PID_filter) and the frame_filter (section_filter) are in a multi-to-multi correspondence by providing at least one SCID corresponding to a respective header of the frame_filter, and the size of the buffer for storing the APG data is '(the number of APG_SCIDs)*(the size of the buffer set by a user: the minimum size whereby the buffer is not in full)'.

	31	30	29			5	4	3	2	1	0
scid0	0	0	0	.....		1	0	0	1	0	1

	31	30	29			5	4	3	2	1	0
scid1	0	0	0	.....		0	0	0	0	1	1

⋮

	31	30	29			5	4	3	2	1	0
scid30	0	0	0	.....		0	1	0	0	1	0

	31	30	29			5	4	3	2	1	0
scid31	0	0	0	.....		1	0	0	0	0	1

File 344:Chinese Patents Abs Aug 1985-2004/May
(c) 2004 European Patent Office
File 347:JAPIO Nov 1976-2004/Mar(Updated 040708)
(c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200448
(c) 2004 Thomson Derwent

Set	Items	Description
S1	3431	DIRECTV OR DIRECT()TELEVISION OR SATELLITE(3N)(TV OR TELEV- SION)
S2	1269812	TRANSPORT? OR STREAM?
S3	1186	S2 AND DEMULTIPLEX?
S4	1179	ADVANCED()PROGRAM()GUIDE OR APG OR EPG
S5	4174	(PROGRAM? OR TV OR TELEVISION OR ELECTRONIC)(3N)GUIDE??
S6	1453226	FRAME?? OR PACKET?? OR OBJECT??
S7	4086	HEADER?? AND (RECORD?? OR FIELD??)
S8	5422	SCID OR PID OR PACKET()IDENTIFIER?? OR SERVICE()CHANNEL() (- ID OR IDENTIFIER?)
S9	782	S8 AND (BUFFER? OR STORAGE? OR MEMORY OR CACHE)
S10	240	S9 AND (SIZE OR AMOUNT OR ALLOCATION OR NUMBER?)
S11	678070	FILTER?
S12	69	(MULTIPLE OR MANY OR SEVERAL OR NUMEROUS OR PLURAL?)(3N)S8
S13	22	S12 AND (MAP OR MAPPING OR MAPPED OR CORRESPOND? OR MATCH? OR ONE(1N)ONE)
S14	40026	S6 AND S11
S15	31693	AU=(LEE, J? OR LEE J?)
S16	1846436	IC=(G06F? OR H04N?)
S17	15	S1 AND S3
S18	1	S17 AND (S4 OR S5)
S19	3	(S4 OR S5) AND S12
S20	3	S19 NOT S18
S21	4	S1 AND S15
S22	4	S21 NOT (S19 OR S18)
S23	20	S13 NOT (S21 OR S19 OR S18)
S24	4	S23 AND S16
S25	2	S13 AND S14
S26	0	S25 NOT (S13 OR S21 OR S19 OR S18)
S27	95	S14 AND S8
S28	44	S27 AND (BUFFER? OR STORAGE? OR MEMORY OR CACHE)
S29	10	S28 AND (MAP OR MAPPING OR MAPPED OR CORRESPOND? OR MATCH? OR ONE(1N)ONE)
S30	8	S29 NOT (S13 OR S21 OR S19 OR S18)
S31	7	S10 AND S6 AND S7
S32	7	S31 NOT (S29 OR S13 OR S21 OR S19 OR S18)

18/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013525102 **Image available**
WPI Acc No: 2001-009308/200102
XRPX Acc No: N01-007002

Apparatus for conditionally processing, storing and displaying digital channel content in a television reception system using an electronic program guide

Patent Assignee: HUGHES ELECTRONICS CORP (HUGA)
Inventor: ARSENAULT R G; BROWN J A; FINSETH C A; LEMINH T T
Number of Countries: 025 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1041822	A2	20001004	EP 2000106040	A	20000329	200102 B

Priority Applications (No Type Date): US 99126686 P 19990329; US 99126576 P 19990329

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1041822	A2	E	23	H04N-007/16	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI

... **conditionally processing, storing and displaying digital channel content in a television reception system using an electronic program guide**

Abstract (Basic):

... An integrated receiver/decoder (36) includes a **transport** circuit (60) receiving the **transport stream** of digitized data packets containing video, audio and data and also scheduling data and a microprocessor (58) controls a channel **demultiplexer** (62) to filter out packets that are not of current interest and to route packets...

...a decryption circuit (64), while control circuits (66,68) provide access to the decrypted packets. **Program guide** data are stored in a memory (70) and the microprocessor prepares it for display as a **program guide** or other content on a TV.

... method for conditionally storing portions of a digital object, for methods of broadcasting and receiving **TV** content and **program guide** data and for a system for receiving **TV** content and **program guide** data...

...Processing, storing and/or displaying digital **program guide** objects in a broadcast **satellite TV** system...

... **Transport** circuit (60)...

...Channel **demultiplexer** (62)

?

20/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

07461851 **Image available**
SIGNAL PROCESSING APPARATUS

PUB. NO.: 2002-330366 [JP 2002330366 A]
PUBLISHED: November 15, 2002 (20021115)
INVENTOR(s): CHANEY JOHN W
BEYERS JR BILLY WESLEY
JOHNSON MICHAEL WAYNE
HAILEY JAMES EDWIN
BRIDGEWATER KEVIN ELLIOTT
DEISS MICHAEL SCOTT
HORTON RAYMOND SCOTT
APPLICANT(s): THOMSON CONSUMER ELECTRONICS INC
APPL. NO.: 2001-397042 [JP 2001397042]
Division of 07-518590 [JP 95518590]
FILED: January 04, 1995 (19950104)
PRIORITY: 94 9400101 [GB 94101], GB (United Kingdom), January 05, 1994
(19940105)

ABSTRACT

...identifier used to identify each program.

SOLUTION: The method includes a 1st step of acquiring **program guide** information in response to the digital bit stream and a 2nd step of acquiring the selected program data in response to the digital bit stream. The **program guide** information includes a 1st packet identifier to identify a 1st program and a 2nd packet...

...In the 2nd step, by acquiring data having a packet identifier coincident with a determined **packet identifier** among a **plurality** of identifiers including the 1st and 2nd packet identifiers, selected program data are acquired.

COPYRIGHT...

20/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

07369506 **Image available**
SIGNAL PROCESSING UNIT

PUB. NO.: 2002-238004 [JP 2002238004 A]
PUBLISHED: August 23, 2002 (20020823)
INVENTOR(s): CHANEY JOHN W
BEYERS JR BILLY WESLEY
JOHNSON MICHAEL WAYNE
HAILEY JAMES EDWIN
BRIDGEWATER KEVIN ELLIOTT
DEISS MICHAEL SCOTT
HORTON RAYMOND SCOTT
APPLICANT(s): THOMSON CONSUMER ELECTRONICS INC
APPL. NO.: 2001-397022 [JP 2001397022]
Division of 07-518590 [JP 95518590]
FILED: January 04, 1995 (19950104)
PRIORITY: 94 9400101 [GB 94101], GB (United Kingdom), January 05, 1994
(19940105)

ABSTRACT

...for identifying each program.

SOLUTION: The receiver is provided with a 1st processor, that captures **program guide** information in response to a digital bit stream and with a 2nd processor that captures selected program data in response to the digital bit stream. The **program guide** information includes a 1st packet identifier identifying a 1st program and a 2nd packet identifier...

... packet identifier. The 2nd processor captures data with a packet identifier matching with a determined **packet identifier** among a **plurality** of identifiers including the 1st and 2nd packet identifiers for capturing the selected program data...

20/3,K/3 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

013980158 **Image available**

WPI Acc No: 2001-464372/200150

XRPX Acc No: N01-344373

Program guide data processor for digital broadcasting, has data identifier filter and frame filter in multi-to-multi correspondence, such that one header of frame filter corresponds to multiple data identifier filters

Patent Assignee: LG ELECTRONICS INC (GLDS); LEE J H (LEEJ-I)

Inventor: LEE J H

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010009034	A1	20010719	US 2001760839	A	20010117	200150 B
KR 2001075756	A	20010811	KR 20002066	A	20000117	200212
KR 379419	B	20030410	KR 20002066	A	20000117	200353

Priority Applications (No Type Date): KR 20002066 A 20000117

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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US 20010009034	A1	9	G06F-003/00	
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KR 2001075756	A		H04N-005/50	
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KR 379419	B		H04N-005/50	Previous Publ. patent KR 2001075756
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Program guide data processor for digital broadcasting, has data identifier filter and frame filter in multi-to...

Abstract (Basic):

... Data identifier (**SCID**) filter sections have **multiple** SCIDs for receiving audio/video data in specific signal format. A frame filter section comprising...

...multi correspondence, so that one header corresponds to multiple SCIDs. A memory section has an **advanced program guide** (**APG**) buffer for each of SCIDs, to store **program guide** data in the unit of frame.

... cable digital broadcasting of video and audio streams, also for transport demultiplexer (TP) for processing **electronic program guide** (**EPG**) data...

...Reduces size of buffer for storing **advanced program guide** (**APG**) data by effectively using **APG** buffer, thus improving data processing efficiency...

22/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014938578 **Image available**
WPI Acc No: 2002-759287/200282
XRPX Acc No: N02-597842

Communication error handling method in multicast video distribution
networks, involves performing error correction with retransmitted group
of packets and initially transmitted group of packets

Patent Assignee: UNIV CHINESE HONG KONG (UYCH-N)

Inventor: LEE J Y

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020114283	A1	20020822	US 2000228772	A	20000830	200282 B
			US 2001945345	A	20010830	

Priority Applications (No Type Date): US 2000228772 P 20000830; US
2001945345 A 20010830

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020114283	A1	9	H04J-001/16	Provisional application US 2000228772

Inventor: LEE J Y

Abstract (Basic):

... transmission of video content across broadband digital networks,
residential broadband networks such as cables or **satellite TV**
networks, interactive video-on-demand and digital video multicasting or
broadcasting...

22/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014267514 **Image available**
WPI Acc No: 2002-088212/200212

Method for programming automatically interactive program of digital
satellite broadcasting

Patent Assignee: SHIN KWANG AUTOMATION SYSTEM INC (SHIN-N)

Inventor: LEE J T

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001076813	A	20010816	KR 20004202	A	20000128	200212 B

Priority Applications (No Type Date): KR 20004202 A 20000128

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2001076813	A	1	H04H-001/00	

Inventor: LEE J T

Abstract (Basic):

... of the sub-programs(206). The provided image and sound signal
are modulated to a **satellite television** signal, and transmits to a
satellite. Therefore, the digital broadcasting is displayed in the
satellite TV set of each subscriber. Next, it is checked whether a

public opinion investigation is started...

22/3,K/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014267513 **Image available**
WPI Acc No: 2002-088211/200212

**Digital satellite broadcasting apparatus having function for
automatically transmitting interactive program**

Patent Assignee: SHIN KWANG AUTOMATION SYSTEM INC (SHIN-N)

Inventor: LEE J T

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001076812	A	20010816	KR 20004201	A	20000128	200212 B

Priority Applications (No Type Date): KR 20004201 A 20000128

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2001076812	A	1	H04H-001/00	

Inventor: LEE J T

Abstract (Basic):

... receives subscriber's information from subscribers. A
transmitting part(20) up-converts and transmits digital **satellite**
broadcasting **television** signal to a **satellite** (100). A receiving
part(30) amplifies and down-converts signal received from the
satellite(100...

22/3,K/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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009496670 **Image available**
WPI Acc No: 1993-190206/199324
XRPX Acc No: N93-146179

**TV set with multiple function processing - has built-in tuners for
receiving terrestrial and satellite broadcast TV signals together
with video recorder and picture-in-picture processor**

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (SMSU); SAMSUNG ELECTRONICS
CORP (SMSU)

Inventor: LEE J H ; LEE H

Number of Countries: 006 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 546858	A2	19930616	EP 92311347	A	19921211	199324 B.
JP 6070248	A	19940311	JP 92331796	A	19921211	199415
US 5315391	A	19940524	US 92989591	A	19921211	199420
EP 546858	A3	19931020	EP 92311347	A	19921211	199510
KR 9500828	B1	19950202	KR 9122626	A	19911211	199646
EP 546858	B1	19990421	EP 92311347	A	19921211	199920
DE 69228982	E	19990527	DE 628982	A	19921211	199927
			EP 92311347	A	19921211	

Priority Applications (No Type Date): KR 9122626 A 19911211

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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EP 546858 A2 E 5 H04N-005/45
Designated States (Regional): DE FR GB
US 5315391 A 10 H04N-005/44
EP 546858 B1 E H04N-005/45
Designated States (Regional): DE FR GB
DE 69228982 E H04N-005/45 Based on patent EP 546858
JP 6070248 A H04N-005/44
EP 546858 A3 H04N-005/45
KR 9500828 B1 H04N-007/00

... has built-in tuners for receiving terrestrial and satellite
broadcast TV signals together with video recorder and
picture-in-picture processor

Inventor: LEE J H ...

...Abstract (Basic): first tuner (110) for receiving terrestrial broadcast
television signals, a second tuner (310) for receiving **satellite**
broadcast **television** signals, a video cassette recorder (500) and a
picture-in-picture circuit (200). A switching...

?

24/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

05739970 **Image available**
TRANSMITTING DEVICE AND TRANSMITTING METHOD

PUB. NO.: 10-023070 [JP 10023070 A]
PUBLISHED: January 23, 1998 (19980123)
INVENTOR(s): KUBOTA TATSUYA
SETO HIROAKI
MATSUMURA YOICHI
APPLICANT(s): SONY CORP [000218] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 08-191468 [JP 96191468]
FILED: July 02, 1996 (19960702)

INTL CLASS: H04L-012/56; H04J-003/00; H04N-007/08 ; H04N-007/081 ;
H04N-007/24

ABSTRACT

... which are added in an encoding means and indicates the addition of the
respectively different **packet identifiers** to the **plural** encoding
means...

... means for generating additional information, such as a program
association table(PAT) and a program **map** table(PMT). Then, the controller
unit 42 outputs a control signal S20 to the encoders...

24/3,K/2 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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015250705 **Image available**
WPI Acc No: 2003-311631/200330
Related WPI Acc No: 2003-331360; 2003-429690; 2003-492021; 2003-636908;
2003-801037
XRPX Acc No: N03-248089
**Program identifier information provision method for multiple carriage
content delivery system, involves constructing lookup table mapping at
least one program identifier to at least one shadow program identifier**
Patent Assignee: UNGER R A (UNGE-I)
Inventor: UNGER R A
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020194613	A1	20021219	US 2001296673	P	20010606	200330 B
			US 2001304131	P	20010710	
			US 2001304241	P	20010710	
			US 2001343710	P	20011026	
			US 200284106	A	20020227	

Priority Applications (No Type Date): US 200284106 A 20020227; US
2001296673 P 20010606; US 2001304131 P 20010710; US 2001304241 P 20010710
; US 2001343710 P 20011026

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020194613	A1	11	H04N-007/173	Provisional application US 2001296673

Provisional application US 2001304131

Provisional application US 2001304241
Provisional application US 2001343710

Program identifier information provision method for multiple carriage content delivery system, involves constructing lookup table mapping at least one program identifier to at least one shadow program identifier

Abstract (Basic):

... table (PAT) (50) that associates programs with primary program identifiers (PIDs), is constructed. Several program map tables (PMTs) (52,54,56,58,60) are constructed, one for each program in the PAT. A lookup table (70) mapping at least one PID to at least one shadow PID, is constructed. The PAT, PMTs...

... The total program is effectively reconstituted by combining primary PID with data packets having shadow PID. Transmission of multiple sets of system information (SI) is avoided by incorporating the lookup table within a private...

...Title Terms: **MAP** ;

International Patent Class (Main): **H04N-007/173**

24/3,K/3 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010172820 **Image available**

WPI Acc No: 1995-074073/199510

Related WPI Acc No: 1995-239478

XRPX Acc No: N95-058685

TDM packet video signal inverse transport processor system for TV receiver - has appts. which selectively extracts desired payloads of program component data and couples to common buffer memory data input port, microprocessor connected to same input port, and detector for payloads including entitlement data

Patent Assignee: THOMSON CONSUMER ELECTRONICS INC (THOH)

Inventor: BRIDGEWATER K E; DEISS M S

Number of Countries: 015 Number of Patents: 023

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
TW 236738	A	19941221	TW 94103692	A	19940425	199510 B
EP 679028	A2	19951025	EP 95105541	A	19950412	199547
BR 9501735	A	19951114	BR 951735	A	19950419	199603
JP 7297855	A	19951110	JP 9597220	A	19950421	199603
CA 2146472	A	19951023	CA 2146472	A	19950406	199610
EP 679028	A3	19960424	EP 95105541	A	19950412	199626
US 5521979	A	19960528	US 94232789	A	19940422	199627
CN 1111867	A	19951115	CN 95104689	A	19950421	199737
CN 1208307	A	19990217	CN 95104689	A	19950421	199926
			CN 97110746	A	19950421	
EP 971538	A2	20000112	EP 95105541	A	19950412	200008
			EP 99120648	A	19950412	
EP 679028	B1	20000531	EP 95105541	A	19950412	200031
			EP 99120648	A	19950412	
DE 69517240	E	20000706	DE 617240	A	19950412	200039
			EP 95105541	A	19950412	
ES 2146677	T3	20000816	EP 95105541	A	19950412	200044
MX 187731	B	19980109	MX 951880	A	19950421	200046
RU 2145728	C1	20000220	RU 95106681	A	19950421	200048
JP 2002135739	A	20020510	JP 9597220	A	19950421	200246
			JP 2001235161	A	19950421	
EP 971538	B1	20021127	EP 95105541	A	19950412	200279

			EP 99120648	A	19950412	
KR 343821	B	20020720	KR 959190	A	19950419	200306
			KR 200020343	A	20000418	
DE 69529001	E	20030109	DE 629001	A	19950412	200312
			EP 99120648	A	19950412	
ES 2183468	T3	20030316	EP 99120648	A	19950412	200325
KR 343819	B	20021130	KR 959190	A	19950419	200334
MX 210428	B	20020924	MX 975715	A	19950421	200368
JP 3495454	B2	20040209	JP 9597220	A	19950421	200413

Priority Applications (No Type Date): US 94232789 A 19940422; US 94232787 A 19940422

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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TW 236738	A		7	H04L-012/56	
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EP 679028	A2 E	21		H04N-007/16	
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Designated States (Regional): DE ES FR GB IT PT

BR 9501735	A			H04N-005/91	
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JP 7297855	A	19		H04L-012/56	
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CA 2146472	A			H04L-012/56	
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US 5521979	A	15		H04L-009/32	
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CN 1111867	A			H04N-001/00	
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CN 1208307	A			H04N-007/04	
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EP 971538	A2 E			H04N-007/16	
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Div ex application CN 95104689

Div ex application EP 95105541

Div ex patent EP 679028

Designated States (Regional): DE ES FR GB IT PT

EP 679028	B1 E			H04N-007/16	
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Related to application EP 99120648

Related to patent EP 971538

Designated States (Regional): DE ES FR GB IT PT

DE 69517240	E			H04N-007/16	
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Based on patent EP 679028

ES 2146677	T3			H04N-007/16	
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Based on patent EP 679028

MX 187731	B			H04L-009/032	
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RU 2145728	C1			G06F-015/00	
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JP 2002135739	A	16		H04N-007/08	
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Div ex application JP 9597220

EP 971538	B1 E			H04N-007/16	
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Div ex application EP 95105541

Div ex patent EP 679028

Designated States (Regional): DE ES FR GB IT PT

KR 343821	B			H04N-007/24	
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Div ex application KR 959190

DE 69529001	E			H04N-007/16	
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Based on patent EP 971538

ES 2183468	T3			H04N-007/16	
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Based on patent EP 971538

KR 343819	B			H04N-007/24	
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Previous Publ. patent KR 95035437

MX 210428	B			G06F-009/00	
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JP 3495454	B2	19		H04L-012/56	
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Previous Publ. patent JP 7297855

...Abstract (Equivalent): identifying SCID 's of a plurality of program components of a desired program...

...selecting packets containing SCID's identified with components of said desired program, and loading corresponding payloads of respective components in respective block areas of a common memory element...

...said memory element in response to requests from respective program component processing apparatus, wherein loading corresponding payloads and accessing said memory element for reading payload data is performed alternately on a...

International Patent Class (Main): G06F-009/00 ...

... G06F-015/00 ...

... H04N-001/00 ...

... H04N-005/91 ...

... H04N-007/04 ...
 ... H04N-007/08 ...
 ... H04N-007/16 ...
 ... H04N-007/24
 ... International Patent Class (Additional): H04N-007/00 ...
 ... H04N-007/025 ...
 ... H04N-007/081 ...
 ... H04N-007/167 ...
 ... H04N-007/169 ...
 ... H04N-007/26 ...
 ... H04N-007/30

24/3,K/4 (Item 3 from file: 350)
 DIALOG(R) File 350: Derwent WPIX
 (c) 2004 Thomson Derwent. All rts. reserv.

010012599 **Image available**
 WPI Acc No: 1994-280310/199435
 Related WPI Acc No: 1995-157069; 1995-225836; 1995-294609; 1995-383239;
 1996-097792; 1996-260111; 1996-260116; 1996-278120; 1997-119282
 XRPX Acc No: N94-220925

**Multifunction communication system for use with personal computer -
 includes packet protocol for communications between software components
 running on personal computer and local hardware components over serial
 communications link**

Patent Assignee: SHARMA R (SHAR-I); MULTI-TECH SYSTEMS INC (MULT-N)
 Inventor: DAVIS J P; GUNN T D; LI P; MAITRA S; SHARMA R; THANAWALA A; YOUNG
 S

Number of Countries: 020 Number of Patents: 017

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
CA 2104701	A	19940709	CA 2104701	A	19930824	199435	B
EP 630141	A2	19941221	EP 93403164	A	19931223	199504	
US 5452289	A	19950919	US 932467	A	19930108	199543	
US 5471470	A	19951128	US 932467	A	19930108	199602	
			US 94289294	A	19940811		
US 5500859	A	19960319	US 932467	A	19930108	199617	
			US 94289304	A	19940811		
EP 630141	A3	19960703	EP 93403164	A	19931223	199636	
US 5559793	A	19960924	US 932467	A	19930108	199644	
			US 94289305	A	19940811		
US 5574725	A	19961112	US 932467	A	19930108	199651	
			US 94289295	A	19940811		
US 5577041	A	19961119	US 932467	A	19930108	199701	
			US 94289294	A	19940811		
			US 95488183	A	19950607		
US 5592586	A	19970107	US 932467	A	19930108	199708	
			US 94289297	A	19940811		
US 5600649	A	19970204	US 932467	A	19930108	199711	
			US 95527849	A	19950914		

US 5673257	A	19970930	US 932467	A	19930108	199745
			US 95428904	A	19950425	
US 5673268	A	19970930	US 932467	A	19930108	199745
			US 94289296	A	19940811	
JP 9238200	A	19970909	JP 93251131	A	19930913	199746
US 5764627	A	19980609	US 932467	A	19930108	199830
			US 95488183	A	19950607	
			US 96636582	A	19960423	
US 5790532	A	19980804	US 932467	A	19930108	199838
			US 95527952	A	19950914	
CA 2104701	C	20021112	CA 2104701	A	19930824	200302

Priority Applications (No Type Date): US 932467 A 19930108; US 94289294 A 19940811; US 94289304 A 19940811; US 94289305 A 19940811; US 94289295 A 19940811; US 95488183 A 19950607; US 94289297 A 19940811; US 95527849 A 19950914; US 95428904 A 19950425; US 94289296 A 19940811; US 96636582 A 19960423; US 95527952 A 19950914

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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CA 2104701	A		161	H04L-005/22	
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EP 630141	A2	E	99	H04M-003/42	
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Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

US 5452289	A		79	H04B-003/23	
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US 5471470	A		79	H04J-003/17	
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US 5500859	A		81	H04J-003/17	
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Div ex application US 932467

Div ex application US 932467

Div ex patent US 5452289

EP 630141	A3			H04L-005/22	
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US 5559793	A		80	H04B-003/23	
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Div ex application US 932467

Div ex patent US 5452289

US 5574725	A		80	H04J-003/12	
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Div ex application US 932467

Div ex patent US 5452289

US 5577041	A		80	H04M-011/00	
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Cont of application US 932467

Div ex application US 94289294

Cont of patent US 5452289

Div ex patent US 5471470

US 5592586	A		79	G10L-009/00	
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Div ex application US 932467

Div ex patent US 5452289

US 5600649	A		80	H04J-003/17	
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Div ex application US 932467

Div ex patent US 5452289

US 5673257	A		79	H04B-003/23	
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Div ex application US 932467

Div ex patent US 5452289

US 5673268	A		79	H04J-003/12	
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Div ex application US 932467

Div ex patent US 5452289

JP 9238200	A		61	H04M-011/00	
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US 5764627	A			H04M-001/00	
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Cont of application US 932467

Cont of application US 95488183

Cont of patent US 5452289

Cont of patent US 5577041

US 5790532	A			H04J-003/16	
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Div ex application US 932467

Div ex patent US 5452289

CA 2104701	C	E		H04L-005/22	
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...Abstract (Equivalent): samples stored in the memory and for locating a single memory address of a closest **match** between the normalized long term residual samples and the stored distinct normalized long term residual...

...stored distinct normalized long term residual samples at the single memory address of the closest **match** ;

...creating a qualified packet having a qualified **packet identifier** and a **plurality** of command identifiers for communicating

control information...
International Patent Class (Additional): G06F-013/00 ...

... G06F-015/20 ...

... H04N-001/00

?

30/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

07505952 **Image available**
DIGITAL BROADCAST RECEIVER

PUB. NO.: 2002-374472 [JP 2002374472 A]
PUBLISHED: December 26, 2002 (20021226)
INVENTOR(s): ISHIDA HIDEO
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD
APPL. NO.: 2001-179421 [JP 2001179421]
FILED: June 14, 2001 (20010614)

ABSTRACT

PROBLEM TO BE SOLVED: To prevent PCR information of a TS **packet** from being incorrect owing to a delay time generated when a transport stream of a...

... An external output control part 15 controls an external output part 14 so that when **PID filter** parts 4, 5, and 6 detect a TS **packet matching** the **PID** of a set PCR, TS **packets** stored in a **corresponding** external output **buffer** 7, 8, or 9 are preferentially outputted. A PCR correction part 16, when the part 14 externally outputs the respective TS **packets** stored in the external output **buffer**, replaces PCR information included in the TS **packets** with the value of an STC counting means 10, 11, or 12.

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30/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

06292501 **Image available**
SATELLITE BROADCASTING RECEPTION METHOD AND APPARATUS THEREOF

PUB. NO.: 11-234093 [JP 11234093 A]
PUBLISHED: August 27, 1999 (19990827)
INVENTOR(s): KASUGAYA KAZUHISA
APPLICANT(s): NEC CORP
APPL. NO.: 10-033416 [JP 9833416]
FILED: February 16, 1998 (19980216)

ABSTRACT

...signal channel per carrier) system is narrow.

SOLUTION: A CPU part 7 supplies a TS **packet corresponding** to a second intermediate frequency 2ndIF, which is band-restricted by a **filter** part 4 and demodulated by an IQ demodulation part 9 to a forward error correction ...

... of a carrier. Frequency carriers are scanned in order starting from the lowest one by **PID** of the TS **packet**. Program information **corresponding** to the carrier of the **packet** is obtained every time and is accumulated in a **memory** 8. Then, the CPU part 7 discriminate whether the carrier selected by a station selection...

... When the carrier which is to be selected is mistaken, program

information stored in the memory 8 is referred to and the station is speedily selected again.

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30/3,K/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

06058319 **Image available**
MPEG2 TRANSPORT STREAM SEPARATION METHOD AND CIRCUIT

PUB. NO.: 10-341419 [JP 10341419 A]
PUBLISHED: December 22, 1998 (19981222)
INVENTOR(s): NOMURA MAMORU
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 09-150801 [JP 97150801]
FILED: June 09, 1997 (19970609)

ABSTRACT

PROBLEM TO BE SOLVED: To reduce stack buffers conventionally required for the case that section leading (n) bytes inside one TS packet are not included for all the (n) bytes, are disconnected in the middle and are put over the TS packets provided with the same PID .

...

...SOLUTION: In this data separation circuit, a PID filter part 1 extracts only the TS packet of a desired PID and writes an input section to an RAM first and a comparator 5 compares the...

... bytes with the pertinent data of a reference data register 6. When they do not match , a line address is returned to the leading address of section data and elimination is...

... write. When the leading (n) bytes are incomplete, a disconnection byte position and only a matching /non- matching status are held and comparison is performed together with the succeeding leading (n) bytes. The RAM write of succeeding data is performed at the time of matching and the non- matching processing is performed at the time of non- matching .

30/3,K/4 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015257770 **Image available**
WPI Acc No: 2003-318699/200331
XRPX Acc No: N03-253962

Digital broadcast reception apparatus e.g. set top box, has program clock reference correction unit which replaces PCR data in transport stream packet with values of system time clock count units when packet is output

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002374472	A	20021226	JP 2001179421	A	20010614	200331 B

Priority Applications (No Type Date): JP 2001179421 A 20010614

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002374472	A		10	H04N-005/44	

... top box, has program clock reference correction unit which replaces PCR data in transport stream packet with values of system time clock count units when packet is output

Abstract (Basic):

... A control unit controls an external output unit (14) to output TS packet when the packet identity (PID) filter units detect TS packet corresponding to PID of set of program reference clock (PCR). A PCR correction unit (16) replaces the PCR contained in TS packet with values of the system time clock (STC) count units (10-12), when the output unit outputs the TS packet stored in the external output buffers (7-9).

... The delay time generated during output of TS packet with PCR data is prevented by correcting PCR data with the value of STC count...

...External output buffer (7-9...

...Title Terms: PACKET ;

30/3,K/5 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

014771917 **Image available**

WPI Acc No: 2002-592623/200264

Related WPI Acc No: 2001-104509

XRPX Acc No: N02-470280

Audio-visual data stream recording apparatus detects random access point of distinguished video programs and obtains corresponding positional information for storage in a table

Patent Assignee: SONY CORP (SONY)

Inventor: KATO M

Number of Countries: 006 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1223754	A1	20020717	EP 2000302143	A	20000316	200264 B
			EP 2001205022	A	20000316	

Priority Applications (No Type Date): JP 99317738 A 19991109; JP 9976148 A 19990319

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1223754	A1	E	33	H04N-005/76	Div ex application EP 2000302143 Div ex patent EP 1043892

Designated States (Regional): DE ES FR GB IT NL

... visual data stream recording apparatus detects random access point of distinguished video programs and obtains corresponding positional information for storage in a table

Abstract (Basic):

... A packet identification (PID) filter (11) distinguishes each of video programs in input audio-visual data stream. Data stream analyzing...

... PID filter (11
Technology Focus:
... The audio-visual program input to the packet identification
filter has video stream which conforms to MPEG2 specification and
audio stream which conforms to MPEG1...
...Title Terms: CORRESPOND ;

30/3,K/6 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014623629 **Image available**
WPI Acc No: 2002-444333/200247
XRPX Acc No: N02-350054

Device and process to filter useful sections in digitally transmitted data

Patent Assignee: AT-SKY SAS (ATSK-N)
Inventor: BERNARD B; CHATAIGNIER A; ROYER S
Number of Countries: 020 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200235750	A2	20020502	WO 2001FR3327	A	20011026	200247 B
FR 2816145	A1	20020503	FR 200013845	A	20001027	200247
EP 1410597	A2	20040421	EP 2001982562	A	20011026	200427
			WO 2001FR3327	A	20011026	

Priority Applications (No Type Date): FR 200013845 A 20001027

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200235750	A2	F	6	H04L-000/00	
Designated States (National): US					
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU					
MC NL PT SE TR					
FR 2816145	A1			H04L-012/56	
EP 1410597	A2	F		H04L-029/06	Based on patent WO 200235750
Designated States (Regional): DE ES GB IT					

Device and process to filter useful sections in digitally transmitted data

Abstract (Basic):

... Data in the numeric form is filtered and transmitted in a telecommunication network as packets . The packets are conveyed in blocks and according to an MPEG 2 protocol. In this protocol the sections (13) are divided into fragments (15) each corresponding to a part of a section situated in a single packet (9). There is a header (16) indicating the position of each fragment, the number of the filter that filtered the section as well as the PID that processed the packets . This ensures memory space is used only for packets that have been processed.

... Reduce the size and complexity of a filtering block...

...3 rectangular blocks representing the way the filter is used...

...MPEG 2 Packet (16...

...Title Terms: FILTER ;

30/3,K/7 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

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014097938

WPI Acc No: 2001-582152/200165

Related WPI Acc No: 2001-442253; 2001-442255; 2001-451890; 2001-451908;

2001-451909; 2001-451912; 2001-451938; 2001-451939; 2001-457603;
2001-457740; 2001-465363; 2001-465571; 2001-465578; 2001-465705;
2001-476114; 2001-476164; 2001-476197; 2001-476198; 2001-476199;
2001-476282; 2001-476283; 2001-483140; 2001-483233; 2001-488707;
2001-488788; 2001-488875; 2001-488895; 2001-496929; 2001-496930;
2001-496931; 2001-496932; 2001-514838; 2001-522358; 2001-565565;
2001-582153; 2001-589862; 2001-589934; 2001-607699; 2001-611724;
2001-611725; 2001-626375; 2001-626426; 2001-626432; 2001-626527;
2001-639362; 2002-010428; 2002-025688; 2002-062370; 2002-280918;
2002-426278; 2002-575369; 2002-590824; 2002-674924; 2003-018710;
2003-028924; 2003-110596; 2003-313249; 2003-456302; 2003-678194;
2003-679633; 2003-697229; 2003-697230; 2003-697231; 2003-810980;
2003-829799; 2003-851723; 2003-852227; 2004-061257; 2004-089285;
2004-143291; 2004-167906; 2004-169496; 2004-441049

XRAM Acc No: C01-172641

Novel macrophage-expressed nucleic acids and polypeptides for diagnosis and treatment of inflammatory, autoimmune, neurological, myeloid or lymphoid cell disorders, cancer and for promoting wound healing

Patent Assignee: HYSEQ INC (HYSE-N)

Inventor: BOYLE B J; DEDERA D; DICKSON M C; DRMANAC R T; JONES L W; LABAT I ; LIU C; STACHE-CRAIN B; TANG Y T.

Number of Countries: 095 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200164839	A2	20010907	WO 2001US6475	A	20010228	200165 B
AU 200139955	A	20010912	AU 200139955	A	20010228	200204

Priority Applications (No Type Date): US 2000255200 P 20001211; US

2000515126 A 20000228; US 2000540217 A 20000331

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200164839	A2	E 158	C12N-000/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS
JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200139955	A			Based on patent WO 200164839
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Abstract (Basic):

... I) provided as a collection on a nucleic acid array is useful for detecting full- **m**atches or mismatches to any one of the polynucleotides in the collection. (II) is useful for...

...in an array, computer-readable media, in sequencing full-length genes, for chromosome and gene **m**apping, recombinant production of protein, in the generation of anti-sense DNA or RNA or their...

...for identifying macrophage cells for identifying expressed genes and as expressed sequence tags for physical **m**apping of the human genome. (I) is also useful for creating transgenic animals useful for studying...

...fibrosis, reperfusion injury in various tissues, various immune deficiencies and disorders including severe combined immunodeficiency (**SCID**), bacterial or fungal infections, autoimmune disorders e.g. multiple sclerosis, rheumatoid arthritis, allergic reactions and...

...circadian cycles of rhythms, fertility of male or female subjects, metabolism, catabolism, anabolism, processing utilization, **storage** or elimination of dietary fat, lipid, protein, carbohydrate, vitamins, minerals, provides analgesic effects or other...

Extension Abstract:

... vector sequences that flank the inserts. Clones from cDNA libraries were spotted on nylon membrane **filters** and screened with oligonucleotide probes to obtain signature sequences. The clones were clustered into groups...

...derived from the above nucleotide sequences using an algorithm that predicts the longest open reading **frame** in a nucleotide sequence.

30/3,K/8 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012736294 **Image available**
WPI Acc No: 1999-542411/199946
XRPX Acc No: N99-402217

Receiver e.g. for demultiplexing digital data stream in television system having digital set top box receiver

Patent Assignee: STMICROELECTRONICS LTD (SGSA)

Inventor: ROBBINS W; WILKINS D

Number of Countries: 026 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 939546	A1	19990901	EP 99300668	A	19990120	199946 B
US 20040004977	A1	20040108	US 99239881	A	19990129	200404
			US 2003421317	A	20030422	

Priority Applications (No Type Date): GB 982094 A 19980130

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 939546	A1	E	23	H04N-005/00	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI

US 20040004977	A1		H04J-003/04	Cont of application	US 99239881
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Abstract (Basic):

... receiver has input circuitry to receive the digital data stream. A control circuit extracts a **packet identifier** from an input data **packet** in the digital data stream, and generates a first or a second type control signal in dependence on whether the input data **packet** is of a first or a second type. A **memory** stores sets of information associated with those first types of data **packet** required by the receiver.

... A second control circuit controls the **storage** in the **memory** of the sets of information. A third control circuit responsive to the first type control signal in a first mode of operation receives part of the input data **packet** from the input circuitry and determines whether such part **matches** one of the stored sets of information, and setting a **match** signal, the third control circuit demultiplexes the input data **packet** responsive to the **match** signal. An INDEPENDENT CLAIM is included for a method of demultiplexing a digital data stream...

...The figure shows schematically the operation of the section **filter** of the invention...

?

32/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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06427885 **Image available**
TRANSPORT STREAM DEMULTIPLEXER PROVIDED WITH **BUFFER** AND DETECTION **RECORD**
FOR EVERY **PACKET** AND MADE INTO FIFO STRUCTURE

PUB. NO.: 2000-013448 [JP 2000013448 A]
PUBLISHED: January 14, 2000 (20000114)
INVENTOR(s): KURISU MOTOHIRO
APPLICANT(s): KURISU MOTOHIRO
KURISU HIROKO
APPL. NO.: 10-194975 [JP 98194975]
FILED: June 25, 1998 (19980625)

TRANSPORT STREAM DEMULTIPLEXER PROVIDED WITH **BUFFER** AND DETECTION **RECORD**
FOR EVERY **PACKET** AND MADE INTO FIFO STRUCTURE

ABSTRACT

... stream demultiplexer processing, to reduce circuit scale, to accelerate a section filtering operation and the **PID** detection of a PAT, and to generate the clock for decoding MPEG 2 by setting a fine controlled frequency to a certain central frequency.

SOLUTION: This demultiplexer is composed of **packet buffers** 107, 109 and 111 of 188 bytes and status registers 108, 110 and 112 including **header** byte detection flag, **PID** validity flag, **PID** index **number**, water level gauge full flag and **packet** flag. These components can be accessed in the unit of a **packet** as one group and processed in the manner of FIFO operation by write and read **packet** counters 114-117. The **PID** register for PAT is provided for accelerating the initial synchronization of a channel. In order...

32/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
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06010493 **Image available**
KARAOKE DATA TRANSMITTING METHOD, KARAOKE DEVICE, AND KARAOKE DATA **RECORD**
MEDIUM

PUB. NO.: 10-293593 [JP 10293593 A]
PUBLISHED: November 04, 1998 (19981104)
INVENTOR(s): KATO HIROKAZU
SONE TAKURO
APPLICANT(s): YAMAHA CORP [000407] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 09-102179 [JP 97102179]
FILED: April 18, 1997 (19970418)

KARAOKE DATA TRANSMITTING METHOD, KARAOKE DEVICE, AND KARAOKE DATA **RECORD**
MEDIUM

ABSTRACT

PROBLEM TO BE SOLVED: To make small the capacity of a **memory** for **buffering** supplied or reproduced KARAOKE data while shortening the wait time from a request for music...

...SOLUTION: Data of respective channels are distributed in **packet** form according to the PES structure of the MPEG2 transport layer. An identifier

PID included in a header represents a number of 0 to 31. Then video data on which the background video of KARAOKE is based are assigned to two channels of PID =0, 1, effect sound data of ADPCM on which an effect sound such as a back chorus are assigned to a channel of PID =2, and music data on which a KARAOKE performance is based are assigned to a channel of PID =31. Further, the music data consist of a sequence obtained by rearranging packets of respective data such as playing data, text display data, and effect sound indication data...

32/3,K/3 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015530076 **Image available**
WPI Acc No: 2003-592226/200356
XRPX Acc No: N03-471659

Packet transmission apparatus e.g. internet protocol router has policy table for storing field information corresponding to packet header information, which is expressed as tree having nodes for storing header information

Patent Assignee: NIPPON TELEGRAPH & TELEPHONE CORP (NITE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2003209563	A	20030725	JP 20024832	A	20020111	200356 B

Priority Applications (No Type Date): JP 20024832 A 20020111

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2003209563	A	10	H04L-012/56	

Packet transmission apparatus e.g. internet protocol router has policy table for storing field information corresponding to packet header information, which is expressed as tree having nodes for storing header information

Abstract (Basic):

... A policy table stores field information such as destination address (DA), sending address (SA) and protocol identifier (PID), corresponding to header information extracted from an incoming packet . Each field information is expressed as a tree having nodes for storing header information such that length of the header information increases towards the end of the tree.

... 3) packet transmission program; and...

...4) recorded medium storing packet transmission program...

... Packet transmission apparatus e.g. internet protocol router used in communication networks (claimed...

...The tree arrangement enables searching the field information rapidly, with reduced memory size requirements...

...The figure shows an explanatory view illustrating the tree structure of the packet transmission system. (Drawing includes non-English language text

Title Terms: PACKET ;

32/3,K/4 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014938010 **Image available**
WPI Acc No: 2002-758719/200282
XRPX Acc No: N02-597302

Digital multimedia packet demultiplexing and synchronizing method for set-top box system, involves storing transport sequence time stamp value in local header of packet received through isochronous interface

Patent Assignee: KONINK PHILIPS ELECTRONICS NV (PHIG)
Inventor: HOEM R H; LAI B; MOVSHOVICH A; PUTTASWAMY N A
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6434146	B1	20020813	US 98205492	A	19981204	200282 B

Priority Applications (No Type Date): US 98205492 A 19981204

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6434146	B1	19	H04J-003/00	

Digital multimedia packet demultiplexing and synchronizing method for set-top box system, involves storing transport sequence time stamp value in local header of packet received through isochronous interface

Abstract (Basic):

... A local **header** including a transport sequence **field** , is generated for each forwarded transport **packet** . A transport sequence time stamp (TSTS) value indicating the **number** of received **packets** , is stored in the **field** , when the **packet identifier** (**PID**) corresponding to the **packet** indicates that the **packet** is received through an isochronous interface. The **packet** is transmitted to the interface, after reading the TSTS value.

... 1) Digital multimedia **packet** demultiplexing and synchronizing system; and...

...2) Computer readable medium storing digital multimedia **packet** demultiplexing and synchronizing program...

...For demultiplexing and synchronization of digital multimedia **packets** received by a set-top box system through satellite, cable or terrestrial link, Internet, games...

...As the transport sequence time stamp value is stored in a local **header** , the processor need not obtain information from system to create sequence information, hence processor capacity and system speed are improved and proper synchronization of **packets** to subsidiary interfaces within the post-processing environment...

...The figure shows the block diagram of the local **header** unit in the transport demultiplexing system...

Technology Focus:

... The digital multimedia **packets** are encoded according to MPEG-2 and MPEG-1 standards.

...Title Terms: **PACKET** ;

32/3,K/5 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

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012807089 **Image available**

WPI Acc No: 1999-613319/199953

XRPX Acc No: N99-452200

**Cable/satellite television programmable transport interface (PTI)
scrambling device for e.g. scrambling data**

Patent Assignee: SGS THOMSON MICROELTRN LTD (SGSA); STMICROELECTRONICS LTD (SGSA)

Inventor: LLOYD A

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2337901	A	19991201	GB 982129	A	19980130	199953 B
GB 2337901	B	20030507	GB 982129	A	19980130	200331

Priority Applications (No Type Date): GB 982129 A 19980130

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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GB 2337901	A	40	H04N-007/167	
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GB 2337901	B		H04N-007/167	
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Abstract (Basic):

... controller (200). The PTI uses a synchronization byte to identify the start of a transport **packet** and uses the **packet** identification (**PID**) to identify the type of information contained in the **packet** . The PTI descrambles the transport **packet** payloads and demultiplexes the transport data stream to produce an output data stream.

... The transport controller receives from the input interface via interconnect (108) the transport **packet header** (4) of the transport **packet** arriving at the transport stream input interface (102). The controller uses the **PID** to determine whether the transport **packet** entering the input interface is associated with a selected television program, if not the received transport **packet** is discarded. If it is, the controller controls the input interface to descramble and supply the transport **packet** payload via the interconnect to the controller. The controller may pass a payload associated with audio or video information for the selected program straight to a multichannel (DMA) direct **memory** access. If the payload relates to a section of a table of program information, the controller may process the information before providing that information at its output. Alternatively, the **packet** may be output, after processing by the controller via the alternative stream output interface (104...

...For scrambling **packets** of data...

...Parents may wish to prevent children from viewing unsuitable material **recorded** for themselves. Pay television service providers may wish to avoid the problem of an unscrupulous...

...it for commercial purposes. Providers may allow the user to be able to view a **recorded** program only via his/her own set top box, thus preventing the user from lending **recorded** material to friends, etc. **Recorded** program may be viewed using the recording machines of third parties only if the user who has **recorded** the program provides a descramble key such as, for e.g. a **PIN number** .

...

...Transport **packet header** (4

Technology Focus:

... According to one digital broadcast standard DVB (Digital Video Broadcasting) each of the transport packets is 188 bytes long of which the transport packet header is 14 bytes long. The payload contains packetized information, such as the information for recreating a number of different television programs. The audio and video information in the payloads have been packetized...

32/3,K/6 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

011686372 **Image available**
WPI Acc No: 1998-103282/199810
XRPX Acc No: N98-082831

Reception method for packet stream having fixed length packets for satellite TV modem for Internet access - selectively processing data carried in packet stream for output to computer, and using packet identifier filter to select particular packets from recovered packet stream

Patent Assignee: GEN INSTR CORP DELAWARE (GENN)
Inventor: FELLOWS J A; GROSSMAN M A; HOLBOROW C E
Number of Countries: 019 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 822722	A2	19980204	EP 97113057	A	19970730	199810 B
US 5835730	A	19981110	US 96688841	A	19960731	199901

Priority Applications (No Type Date): US 96688841 A 19960731

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 822722	A2	E	10	H04N-007/24	

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE
US 5835730 A H01J-013/00

Reception method for packet stream having fixed length packets for satellite TV modem for Internet access...

...selectively processing data carried in packet stream for output to computer, and using packet identifier filter to select particular packets from recovered packet stream

...Abstract (Basic): The method for processing consecutive fixed length packets of a packet stream to simulate a computer disk drive output format, comprises locating a packet header for a first one of the packets. At least one of a deleting and coding step is performed. The deleting step comprises deleting at least one known or calculable fixed length field from the header and the coding step comprises coding an N-bit packet identifier from the header into an M-bit reference value, where $M < \text{number}$.

...The deleting and coding step compresses the header to provide a desired gap between data from the first packet and an adjacent packet. The deleting step deletes a total of K-bits from the header, and the resultant gap is equivalent to bits. The header is decompressed by inserting the at least one fixed length field back into the header. The M-bit reference value is decoded to recover the N-bit packet identifier, and is substituted in the header with

the recovered N-bit packet identifier .

...ADVANTAGE - Low cost disk controller chip can be used for buffering of data in a cable or satellite television modem that provides, e.g. Internet access

...Title Terms: PACKET ;

32/3,K/7 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

009746656 **Image available**
WPI Acc No: 1994-026507/199403
Related WPI Acc No: 1995-022071
XRPX Acc No: N94-020589

Segmentation appts. for digital video data transmission for noisy communication channel - segments compressed data into transport cells having header and information packet , and formats part of transport cells which are then interspersed with normal transport cells

Patent Assignee: GENERAL ELECTRIC CO (GENE) ; THOMSON LICENSING SA (CSFC)

Inventor: SIRACUSA R J; ZDEPSKI J W

Number of Countries: 023 Number of Patents: 031

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9400952	A1	19940106	WO 93US4603	A	19930520	199403	B
US 5289276	A	19940222	US 92901045	A	19920619	199408	
US 5365272	A	19941115	US 92901045	A	19920619	199445	
			US 9385364	A	19930702		
FI 9405941	A	19941216	WO 93US4603	A	19930520	199512	
			FI 945941	A	19941216		
EP 646306	A1	19950405	EP 93911321	A	19930520	199518	
			WO 93US4603	A	19930520		
JP 7508380	W	19950914	WO 93US4603	A	19930520	199545	
			JP 94502341	A	19930520		
US 5483287	A	19960109	US 92901045	A	19920619	199608	
			US 9385364	A	19930702		
			US 94285361	A	19940803		
CN 1080804	A	19940112	CN 93107347	A	19930618	199712	
CN 1115951	A	19960131	CN 93107347	A	19930618	199741	
			CN 95100601	A	19930618		
EP 844792	A2	19980527	EP 93911321	A	19930520	199825	
			EP 98102501	A	19930520		
EP 646306	B1	19980902	EP 93911321	A	19930520	199839	
			WO 93US4603	A	19930520		
			EP 98102501	A	19930520		
DE 69320812	E	19981008	DE 620812	A	19930520	199846	
			EP 93911321	A	19930520		
			WO 93US4603	A	19930520		
ES 2123648	T3	19990116	EP 93911321	A	19930520	199909	
CA 2306971	A1	19940106	CA 2136616	A	19930520	200044	
			CA 2306971	A	19930520		
JP 2000358047	A	20001226	JP 94502341	A	19930520	200105	
			JP 2000150420	A	19930520		
KR 284396	B	20010402	WO 93US4603	A	19930520	200216	
			KR 94704637	A	19941219		
			KR 98703714	A	19980518		
KR 289559	B	20010502	WO 93US4603	A	19930520	200221	
			KR 94704637	A	19941219		

JP 3267620	B2	20020318	WO 93US4603	A	19930520	200222
			JP 94502341	A	19930520	
EP 1263234	A2	20021204	EP 93911321	A	19930520	200280
			EP 98102501	A	19930520	
			EP 200212773	A	19930520	
FI 200201855	A	20021017	WO 93US4603	A	19930520	200306
			FI 945941	A	19941216	
			FI 20021855	A	20021017	
CA 2306971	C	20030204	CA 2136616	A	19930520	200318
			CA 2306971	A	19930520	
SG 93764	A1	20030121	SG 962433	A	19930520	200319
CA 2387254	C	20030318	CA 2136616	A	19930520	200325
			CA 2387254	A	19930520	
EP 844792	B1	20030423	EP 93911321	A	19930520	200329
			EP 98102501	A	19930520	
			EP 200212773	A	19930520	
FI 200300249	A	20030218	WO 93US4603	A	19930520	200333
			FI 945941	A	19941216	
			FI 2003249	A	20030218	
DE 69332916	E	20030528	DE 632916	A	19930520	200343
			EP 98102501	A	19930520	
CA 2136616	C	20030722	CA 2136616	A	19930520	200355
			WO 93US4603	A	19930520	
FI 112147	B1	20031031	WO 93US4603	A	19930520	200379
			FI 945941	A	19941216	
ES 2193427	T3	20031101	EP 98102501	A	19930520	200382
JP 2003324354	A	20031114	JP 2000150420	A	19930520	200382
			JP 200389239	A	19930520	
JP 3507766	B2	20040315	JP 94502341	A	19930520	200419
			JP 2000150420	A	19930520	

Priority Applications (No Type Date): US 92901045 A 19920619; US 9385364 A 19930702; US 94285361 A 19940803

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9400952	A1	E	37	H04N-007/137	
				Designated States (National):	CA FI JP KR
				Designated States (Regional):	AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
US 5289276	A		19	H04N-007/04	
US 5365272	A		17	H04N-007/00	Div ex application US 92901045
FI 9405941	A			H04N-000/00	
EP 646306	A1	E	37		Based on patent WO 9400952
				Designated States (Regional):	DE ES FR GB IT PT
JP 7508380	W		13	H04N-007/32	Based on patent WO 9400952
US 5483287	A		16	H04N-007/015	Div ex application US 92901045
					Cont of application US 9385364
					Div ex patent US 5289276
					Cont of patent US 5365272
CN 1080804	A			H04N-011/02	
CN 1115951	A			H04N-007/26	Div ex application CN 93107347
EP 844792	A2	E		H04N-007/50	Div ex application EP 93911321
					Div ex patent EP 646306
				Designated States (Regional):	DE ES FR GB IT PT
EP 646306	B1	E		H04N-007/32	Related to application EP 98102501
					Related to patent EP 844792
					Based on patent WO 9400952
				Designated States (Regional):	DE ES FR GB IT PT
DE 69320812	E			H04N-007/32	Based on patent EP 646306
					Based on patent WO 9400952
ES 2123648	T3			H04N-007/32	Based on patent EP 646306

CA 2306971	A1 E		H04N-007/167	Div ex application CA 2136616
JP 2000358047	A	19	H04L-012/28	Div ex application JP 94502341
KR 284396	B		H04N-007/24	Div ex application KR 94704637
				Previous Publ. patent KR 95702372
				Based on patent WO 9400952
KR 289559	B		H04N-007/32	Previous Publ. patent KR 95702372
				Based on patent WO 9400952
JP 3267620	B2	19	H04N-007/32	Previous Publ. patent JP 7508380
				Based on patent WO 9400952
EP 1263234	A2 E		H04N-007/24	Div ex application EP 93911321
				Div ex application EP 98102501
				Div ex patent EP 646306
				Div ex patent EP 844792
Designated States (Regional): DE ES FR GB IT PT				
FI 200201855	A		H04N-000/00	Div ex application FI 945941
CA 2306971	C E		H04N-007/167	Div ex application CA 2136616
SG 93764	A1		H04N-007/32	
CA 2387254	C E		H04N-007/00	Div ex application CA 2136616
EP 844792	B1 E		H04N-007/50	Div ex application EP 93911321
				Related to application EP 200212773
				Related to patent EP 1263234
				Div ex patent EP 646306
Designated States (Regional): DE ES FR GB IT PT				
FI 200300249	A		H04N-000/00	Div ex application FI 945941
DE 69332916	E		H04N-007/50	Based on patent EP 844792
CA 2136616	C E		H04N-007/12	Based on patent WO 9400952
FI 112147	B1		H04N-007/32	Previous Publ. patent FI 9405941
ES 2193427	T3		H04N-007/50	Based on patent EP 844792
JP 2003324354	A	14	H03M-007/30	Div ex application JP 2000150420
JP 3507766	B2	17	H04L-012/28	Div ex application JP 94502341
				Previous Publ. patent JP 2000358047

... segments compressed data into transport cells having header and information packet, and formats part of transport cells which are then interspersed with normal transport cells

...Abstract (Basic): data into transport cells. The appts is supplied with encoded video data words(100). Selected **header** information is captured(105) and stored in a **memory** (110). This data will be redundantly included in the transmission. The data includes sequence, GOP...

...Abstract (Equivalent): a digital video transmission system for transmitting MPEG compressed video signal including layered data having **headers** containing data descriptive of respective layers, a method for segmenting said compressed video signal into...

...dividing said compressed video signal into payloads of no greater than a predetermined **number** of bits...

...forming a first data **field** (SCID) of N-bits, for identifying the service to which the transport cell is to be...

...forming a second data **field** (CC) of 4-bits for including a continuity count which is service specific and which...

...forming a third data **field** (P) of 1-bit for including a priority flag which indicates the priority of associated...

...forming a sixth data **field** (BB) of 1-bit for including a flag indicating if an associated payload includes a...

...forming a fourth data **field** (CF, CS) of 2-bits for including scrambling information...

...forming a fifth data **field** (TYPE) of 2-bits for including a payload type identifier which indicates one of a...

...cell including the concatenation of said first, second, third, fourth, and fifth and sixth data **fields** and one of said payloads...

...the first of which indicates the service to which the data relates and includes a **field** indicating the state of signal scrambling. The second level includes a **field** identifying the one of several alternative formats in which the cell payload is arranged, and a continuity count for determining data continuity. The third level includes the payload and a **field** which indicates decodable entry points for re-entering the data stream after having lost data...

...Title Terms: **HEADER** ;

?

File 9:Business & Industry(R) Jul/1994-2004/Jul 28
 (c) 2004 The Gale Group
 File 15:ABI/Inform(R) 1971-2004/Jul 28
 (c) 2004 ProQuest Info&Learning
 File 16:Gale Group PROMT(R) 1990-2004/Jul 29
 (c) 2004 The Gale Group
 File 20:Dialog Global Reporter 1997-2004/Jul 29
 (c) 2004 The Dialog Corp.
 File 47:Gale Group Magazine DB(TM) 1959-2004/Jul 29
 (c) 2004 The Gale group
 File 75:TGG Management Contents(R) 86-2004/Jul W3
 (c) 2004 The Gale Group
 File 80:TGG Aerospace/Def.Mkts(R) 1986-2004/Jul 29
 (c) 2004 The Gale Group
 File 88:Gale Group Business A.R.T.S. 1976-2004/Jul 28
 (c) 2004 The Gale Group
 File 98:General Sci Abs/Full-Text 1984-2004/Jun
 (c) 2004 The HW Wilson Co.
 File 112:UBM Industry News 1998-2004/Jan 27
 (c) 2004 United Business Media
 File 141:Readers Guide 1983-2004/Jun
 (c) 2004 The HW Wilson Co
 File 148:Gale Group Trade & Industry DB 1976-2004/Jul 29
 (c)2004 The Gale Group
 File 160:Gale Group PROMT(R) 1972-1989
 (c) 1999 The Gale Group
 File 275:Gale Group Computer DB(TM) 1983-2004/Jul 29
 (c) 2004 The Gale Group
 File 264:DIALOG Defense Newsletters 1989-2004/Jul 28
 (c) 2004 The Dialog Corp.
 File 484:Periodical Abs Plustext 1986-2004/Jul W3
 (c) 2004 ProQuest
 File 553:Wilson Bus. Abs. FullText 1982-2004/Jun
 (c) 2004 The HW Wilson Co
 File 570:Gale Group MARS(R) 1984-2004/Jul 29
 (c) 2004 The Gale Group
 File 608:KR/T Bus.News. 1992-2004/Jul 29
 (c)2004 Knight Ridder/Tribune Bus News
 File 620:EIU:Viewswire 2004/Jul 28
 (c) 2004 Economist Intelligence Unit
 File 613:PR Newswire 1999-2004/Jul 29
 (c) 2004 PR Newswire Association Inc
 File 621:Gale Group New Prod.Annou.(R) 1985-2004/Jul 29
 (c) 2004 The Gale Group
 File 623:Business Week 1985-2004/Jul 28
 (c) 2004 The McGraw-Hill Companies Inc
 File 624:McGraw-Hill Publications 1985-2004/Jul 28
 (c) 2004 McGraw-Hill Co. Inc
 File 634:San Jose Mercury Jun 1985-2004/Jul 28
 (c) 2004 San Jose Mercury News
 File 635:Business Dateline(R) 1985-2004/Jul 28
 (c) 2004 ProQuest Info&Learning
 File 636:Gale Group Newsletter DB(TM) 1987-2004/Jul 29
 (c) 2004 The Gale Group
 File 647:CMP Computer Fulltext 1988-2004/Jul W3
 (c) 2004 CMP Media, LLC
 File 696:DIALOG Telecom. Newsletters 1995-2004/Jul 23
 (c) 2004 The Dialog Corp.
 File 674:Computer News Fulltext 1989-2004/Jul W1
 (c) 2004 IDG Communications
 File 810:Business Wire 1986-1999/Feb 28

(c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc

Set	Items	Description
S1	338409	DIRECTV OR DIRECT()TELEVISION OR SATELLITE(3N) (TV OR TELEVISION)
S2	7838119	TRANSPORT? OR STREAM?
S3	1312	S2(5N)DEMULTIPLEX?
S4	25170	ADVANCED()PROGRAM()GUIDE OR APG OR EPG
S5	133976	(PROGRAM? OR TV OR TELEVISION OR ELECTRONIC) (3N)GUIDE??
S6	2889738	FRAME?? OR PACKET?? OR OBJECT??
S7	3690	HEADER??(5N) (RECORD?? OR FIELD??)
S8	16210	SCID OR PID OR PACKET()IDENTIFIER?? OR SERVICE()CHANNEL() (-ID OR IDENTIFIER?)
S9	134	S8(7N) (BUFFER? OR STORAGE? OR MEMORY OR CACHE)
S10	9	S9(5N) (SIZE OR AMOUNT OR ALLOCATION OR NUMBER?)
S11	732528	FILTER?
S12	284	(MULTIPLE OR MANY OR SEVERAL OR NUMEROUS OR PLURAL?) (3N)S8
S13	6	S12(5N) (MAP OR MAPPING OR MAPPED OR CORRESPOND? OR MATCH? - OR ONE(1N)ONE)
S14	20971	S6(10N)S11
S15	9063	AU=(LEE, J? OR LEE J?)
S16	18	S1(S) (S4 OR S5) (S)S8
S17	33	S16 OR S10 OR S13
S18	10	RD S17 (unique items)
S19	0	S14(S)S7(S)S8
S20	3	S11(S)S12
S21	3	S20 NOT S17
S22	2	RD S21 (unique items)
S23	32	S1 AND S15
S24	0	S23(S)S8

18/3,K/1 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

06066497 Supplier Number: 53526057 (USE FORMAT 7 FOR FULLTEXT)
**Wave Systems' EMBASSY and NEC's PID Software To Be Integrated Into Pollex
Fingerprint ID System.**
Business Wire, p1014
Jan 7, 1999
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1249

... PID system offers one-to-one (1:1) matching or the more powerful
one-to- **many** (1:N) **matching** . PID applications have been developed for
the healthcare, network security, and social services markets among others
...

18/3,K/2 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

03227928 SUPPLIER NUMBER: 07095388 (USE FORMAT 7 OR 9 FOR FULL TEXT)
PC tutor. (column)
Hummel, Robert L.
PC Magazine, v8, n7, p333(3)
April 11, 1989
DOCUMENT TYPE: column ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 1719 LINE COUNT: 00125

... This is also called the Process Identifier (PID).
The second column, "Paragraphs," gives the total **number** of
paragraphs of **memory** allocated to this **PID** . A paragraph is 10h (16)
bytes, and this number includes the program block, environment block...

18/3,K/3 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

09437703 SUPPLIER NUMBER: 19288373 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Set-top boxes get ready to roll.(Emerging markets special report) (Industry
Trend or Event)**
Lammers, David
Electronic Engineering Times, n947, p108(2)
March 31, 1997
ISSN: 0192-1541 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1687 LINE COUNT: 00130

... to choose from among several DSS services will require that the
STBs support a larger **number** of program identification (**PID**) codes
without increasing the **amount** of discrete **memory** , noted Mark O'Brien,
director of marketing for STB products at LSI Logic Corp. (Milpitas...

18/3,K/4 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

08128917 SUPPLIER NUMBER: 17405861 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Fundamentals of control from a systems perspective. (control loops and
controllability) (HVAC Control Systems)**
Nordeen, Howard
Heating, Piping, Air Conditioning, v67, n8, p33(6)
August, 1995
ISSN: 0017-940X LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2843 LINE COUNT: 00236

... control. The algorithm and the tuning process are presently offered
and defined in software by **many** HVAC control manufacturers.

PID control with **matched** control algorithms and tuning packages is
a powerful tool. The proportional, integral, and derivative terms...

18/3,K/5 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01902069 SUPPLIER NUMBER: 17946185 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Design of the HP PA 7200 CPU. (processor chip) (Product Information)
Chan, Kenneth K.; Hay, Cyrus C.; Keller, John R.; Kurpanek, Gordon P.;
Schumacher, Francis X.; Zheng, Jason
Hewlett-Packard Journal, v47, n1, p25(9)
Feb, 1996
ISSN: 0018-1153 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 6607 LINE COUNT: 00522

... specialized applications:

- * Little endian data format support on a per-process basis
- * Support for uncacheable **memory** pages
- * Increased **memory** page protection ID (**PID**) **size**
- * Load/store "spatial locality only" **cache** hint
- * Coherent I/O support.

The CPU is fabricated in Hewlett-Packard's CMOS14A process...

18/3,K/6 (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2004 The Gale Group. All rts. reserv.

01049512 Supplier Number: 40137075 (USE FORMAT 7 FOR FULLTEXT)
**LOW-COST, SECURE CALL-IN DEVICE FROM LEEMAH DATACOM SECURITY ALLOWS SECURE
DEVICE FOR REMOTE USERS**
PR Newswire, pN/A
August 13, 1987
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 414

... bps.

Software features include maximum PIN storage of five (5) separate
PINs; maximum telephone directory **storage** of ten (10) different
telephone **numbers** ; internal **SCID** code is stored in EEPROM; SCID is
also available with a built-in 1200 or...

18/3,K/7 (Item 2 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2004 The Gale Group. All rts. reserv.

01037107 Supplier Number: 40009340 (USE FORMAT 7 FOR FULLTEXT)
LEEMAH TO INTRODUCE THREE NEW DATA COMMUNICATIONS PRODUCTS AT INTERFACE '87
PR Newswire, pN/A
March 30, 1987
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 873

... bps. Software features
include maximum PIN storage of five (5) separate PINs; maximum
telephone directory **storage** of ten (10) different telephone **numbers**
;
internal **SCID**
code is stored in EEPROM; SCID is also available with a
built-in 1200 baud...

18/3,K/8 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2004 CMP Media, LLC. All rts. reserv.

01122070 CMP ACCESSION NUMBER: EET19970331S0075
Set-Top Boxes Get Ready To Roll
David Lammers
ELECTRONIC ENGINEERING TIMES, 1997, n 947, PG108
PUBLICATION DATE: 970331
JOURNAL CODE: EET LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Emerging Markets - Consumer Electronics
WORD COUNT: 1578

... to choose from among several DSS services will require that the
STBs support a larger **number** of program identification (**PID**) codes
without increasing the **amount** of discrete **memory** , noted Mark O'Brien,
director of marketing for STB products at LSI Logic Corp. (Milpitas...

18/3,K/9 (Item 1 from file: 696)
DIALOG(R)File 696:DIALOG Telecom. Newsletters
(c) 2004 The Dialog Corp. All rts. reserv.

00819796
Transponder Monitor
Communications Today
February 26, 2003
VOL: 9 ISSUE: 37 DOCUMENT TYPE: NEWSLETTER
PUBLISHER: PHILLIPS BUSINESS INFORMATION
LANGUAGE: ENGLISH WORD COUNT: 2848 RECORD TYPE: FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

TEXT:
...left channel) in clear MPEG-2.
Radyo Bayrak can be heard on the same audio **PID** (right channel).

40 degreesE:
Express AlR

D Pervyi Kanal (Channel 1), which used to be...on 11954 MHz horizontal. The racing channel GoBarkingMad at Ch.414 in the Sky Digital EPG has been renamed Red Button Racing. A new channel, Major Black Entertainment, is stream-sharing... subsequently more subscribers. The channel, which can be found at Ch.804 in the Sky EPG, will go clear from 21:00 until early morning. Revelations, a new religious channel has launched and now appears in the EPG at Ch.676. A new Hindi/Urdu/Punjabi-language radio station is set to launch...

...International is working on a carriage deal with Sky and may well appear in the EPG soon. Following some weeks of financial uncertainty Channel Health has finally left 11585 MHz horizontal and has also disappeared for the Sky Digital EPG. New travel shopping channel My Travel TV has commenced test transmissions on 10921 MHz horizontal...3/4/6 D Beur TV, Khalifa TV and Radio Khalifa have joined the French Television par Satellite line-up on 11034 MHz vertical, SR 27500, FEC 3/4 via PIDs V420/520...

18/3,K/10 (Item 2 from file: 696)
DIALOG(R)File 696:DIALOG Telecom. Newsletters
(c) 2004 The Dialog Corp. All rts. reserv.

00623144

DIGITAL MONITOR

INTERSPACE

September 9, 1998 VOL: DOCUMENT TYPE: NEWSLETTER

PUBLISHER: PHILLIPS BUSINESS INFORMATION

LANGUAGE: ENGLISH WORD COUNT: 1943 RECORD TYPE: FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

TEXT:

...new multiplex of PPV channels on 11895 MHz vertical, SR 27500, FEC 3/4. The EPG data downloads eight channels named Taquilla 11-18 which are all currently carrying a promo...the arrival of another Turkish channel, InterStar. French regional channel FR3 is testing within the Television par Satellite package at 10911 MHz vertical in free-to-air MPEG-2. Bloomberg TV UK has...very active SCPC feed stream on 11686 MHz vertical, SR 6618, FEC 3/4. The EPG data for this is "TX 10". When not in use the following caption is displayed...UTC unless otherwise stated.
SR - Symbol Rate
FEC- Forward Error Correction
VPID Hex/Decimal - Video Packet Identifier
APID Hex/Decimal - Audio Packet Identifier
In line with the latest generation of MPEG receiver software, we now show video and...
?

22/3,K/1 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

03445135 Supplier Number: 44802952 (USE FORMAT 7 FOR FULLTEXT)
Melter Temperature Control
Glass, p255
July, 1994
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 800

... the time between fuel adjustments.
This type of boundary control has provided the operator with **several** advantages over standard PID control. Firstly, in standard PID it is common to **filter** the process variables to help reduce the control response to temperature spikes. This is not...

22/3,K/2 (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
(c) 2004 The Gale Group. All rts. reserv.

06686490 SUPPLIER NUMBER: 111115315
How to lose money with basic controls: follow these 21 rules to ensure that many opportunities to minimize process disturbances will be completely overlooked. (Special report: improving process control)
King, Myke J.
Hydrocarbon Processing, 82, 10, 51(4)
Oct, 2003
ISSN: 0018-8190 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2897 LINE COUNT: 00236

... reduce controller stability--possibly to the point of instability.
21. Always use the standard DCS **filter**. This is usually a first-order exponential **filter**, i.e., a lag. While a good general-purpose **filter**, it increases both deadtime and the lag "seen" by the controller. While the controller can...

...its performance will certainly degrade. Whether this is noticeable depends on the size of the **filter** lag compared to the process lag. Other **filters**, such as the least-squares **filter**, can provide comparable noise reduction without having such an adverse effect on dynamics. While they...
...DCS, this is relatively simple to do and can readily be cloned if required for **many** measurements.

TABLE 1: PID algorithm types

Algorithm	Noninteractive	Interactive
Other names	"Parallel" "Ideal"	"Series"
Laplace form	$M = (K \cdot \text{sub} \dots)$	

?

File 348:EUROPEAN PATENTS 1978-2004/Jul W03

(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20040722,UT=20040715

(c) 2004 WIPO/Univentio

Set	Items	Description
S1	4267	DIRECTV OR DIRECT()TELEVISION OR SATELLITE(3N)(TV OR TELEVISION)
S2	441234	TRANSPORT? OR STREAM?
S3	2274	S2(5N)DEMULTIPLEX?
S4	4140	ADVANCED()PROGRAM()GUIDE OR APG OR EPG
S5	4808	(PROGRAM? OR TV OR TELEVISION OR ELECTRONIC)(3N)GUIDE??
S6	882048	FRAME?? OR PACKET?? OR OBJECT??
S7	8533	HEADER??(5N)(RECORD?? OR FIELD??)
S8	13132	SCID OR PID OR PACKET()IDENTIFIER?? OR SERVICE()CHANNEL()(-ID OR IDENTIFIER?)
S9	509	S8(7N)(BUFFER? OR STORAGE? OR MEMORY OR CACHE)
S10	48	S9(5N)(SIZE OR AMOUNT OR ALLOCATION OR NUMBER?)
S11	354350	FILTER?
S12	282	(MULTIPLE OR MANY OR SEVERAL OR NUMEROUS OR PLURAL?)(3N)S8
S13	15	S12(5N)(MAP OR MAPPING OR MAPPED OR CORRESPOND? OR MATCH? -OR ONE(1N)ONE)
S14	16196	S6(10N)S11
S15	2923	AU=(LEE, J? OR LEE J?)
S16	181725	IC=(G06F? OR H04N?)
S17	1121	S2(S)(S4 OR S5)
S18	397	S17(S)S6
S19	1	S18(S)S13
S20	44	S3(S)S14
S21	24	S20(S)(S8 OR S12 OR S13)
S22	7	S21(S)(BUFFER? OR STORAGE? OR MEMORY OR CACHE)
S23	7	S22 NOT S19
S24	0	S20(S)(S9 OR S10)
S25	59	(S9 OR S10)(S)S11
S26	0	S25(S)S1
S27	0	S25(S)S3
S28	46	S25 AND S16
S29	1	S28(S)(S4 OR S5)
S30	1	S29 NOT (S22 OR S19)
S31	216	S6(S)S7(S)S8
S32	133	S31(S)(S1 OR S2)
S33	18	S32(S)(BUFFER? OR STORAGE? OR MEMORY OR CACHE)
S34	18	S33 NOT (S29 OR S22 OR S19)
S35	9	S34 AND AD=20000117:20040728/PR
S36	9	S34 NOT S35

19/3,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00750764 **Image available**

MULTIPLEXING STRUCTURES, LATENCY REDUCTION, AND STREAM INDEXING FOR
DELIVERY OF ENCODED INTERACTIVE PROGRAM GUIDE
STRUCTURES DE MULTIPLEXAGE, REDUCTION DE TEMPS D'ATTENTE, ET INDEXAGE DE
FLUX POUR FOURNIR UN GUIDE DE PROGRAMMES INTERACTIF CODE

Patent Applicant/Assignee:

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US (Residence), US (Nationality)

Inventor(s):

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GERSHTEIN Eugene, 401B Cork Harbour Circle, Redwood Shores, CA 94065, US,

EDMONDS Jeremy S, 18923 Sydney Circle, Castro Valley, CA 94546, US,

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Legal Representative:

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Shrewsbury, NJ 07702, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200064171 A1 20001026 (WO 0064171)

Application: WO 2000US9922 20000413 (PCT/WO US0009922)

Priority Application: US 99129598 19990415; US 99293535 19990415; US
99384394 19990827; US 99428066 19991027; US 99468173 19991210; US
99466987 19991210; US 99466990 19991210

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 27541

Fulltext Availability:

Claims

Claim

... of lookahead time periods.

7 A method of stream indexing for delivery of an interactive **program**
guide (IPG), the method comprising:

providing a plurality of video **packet** identifiers;

assigning each video **packet** identifier to a **corresponding** guide
page;

providing a plurality of data **packet** identifiers, where the
plurality

of data **packet** identifiers is less in number than the plurality of
video **packet** identifiers;

predetermining a prime number which is less in number than or

equal in number to the plurality of video **packet** identifiers;

dividing each video **packet** identifier by the prime number in order
1 1 to generate a remainder; and
using the remainder to assign a data **packet** identifier to each video
packet identifier.

62

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ASSIGNMENT

P

PACKET2

ZM-2

V2

t40

-404 W4

V3 PICTURE

RTE3 ISOLATOR

v I-Deo Io 10...

?

23/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01343608

Method and device for decoding a digital video stream in a digital video system using dummy header insertion

Verfahren und Vorrichtung zur Dekodierung von digitalen Videosignalen in einem digitalen Fernsehsystem unter Verwendung von Scheinheadereinfügung

Methode et appareil pour decoder un signal video numerique dans un systeme de video numerique avec insertion d'entetes factices

PATENT ASSIGNEE:

THOMSON multimedia, (1090174), 46 Quai Alphonse Le Gallo, 92100 Boulogne Billancourt, (FR), (Applicant designated States: all)

INVENTOR:

Abelard Franck, Thomson Multimedia, 46, quai Alphonse Le Gallo, 92648 Boulogne Cedex, (FR)

Leyendecker Philippe, Thomson multimedia, 46, quai Alphonse Le Gallo, 92648 Boulogne Cedex, (FR)

Rabu Christophe, Thomson multimedia, 46, quai Alphonse Le Gallo, 92648 Boulogne Cedex, (FR)

LEGAL REPRESENTATIVE:

Kohrs, Martin et al (88661), Thomson multimedia 46, quai A. Le Gallo, 92648 Boulogne-Billancourt Cedex, (FR)

PATENT (CC, No, Kind, Date): EP 1148729 A1 011024 (Basic)

APPLICATION (CC, No, Date): EP 2001107143 010322;

PRIORITY (CC, No, Date): EP 2000400941 000405

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04N-007/24

ABSTRACT WORD COUNT: 95

NOTE:

Figure number on first page: 7B

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200143	607
SPEC A	(English)	200143	7305
Total word count - document A			7912
Total word count - document B			0
Total word count - documents A + B			7912

...SPECIFICATION elements of the receiver. Once the demultiplexer has selected the packets corresponding to the programmed PID values, it stores them in the circular write FIFO 15 in memory 5. The type of content of a packet, i.e. video (V), audio (A) or other (O), is determined by the microprocessor 10 from the respective PID values in the packet headers. The content of video (V) transport stream packets processed by the demultiplexer is parsed, i.e. analyzed by the Stream Parser 6, for extraction of certain types...

23/3,K/2 (Item 2 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01343265

Trick play signal generation for a digital video recorder
Trickwiedergabesignalerzeugung für einen digitalen Videorekorder
Creation d'un signal pour modes de reproduction speciaux pour un
enregistreur de video numerique

PATENT ASSIGNEE:

THOMSON multimedia, (1090174), 46 Quai Alphonse Le Gallo, 92100 Boulogne
Billancourt, (FR), (Applicant designated States: all)

INVENTOR:

Abelard, Franck, THOMSON Multimedia, 46 quai Alphonse Le Gallo, 92648
Boulogne Cedex, (FR)
Deschamps, Fabien, THOMSON Multimedia, 46 quai Alphonse Le Gallo, 92648
Boulogne Cedex, (FR)
Rabu, Christophe, THOMSON Multimedia, 46 quai Alphonse Le Gallo, 92648
Boulogne Cedex, (FR)
Maetz, Pascal, THOMSON Multimedia, 46 quai Alphonse Le Gallo, 92648
Boulogne Cedex, (FR)

LEGAL REPRESENTATIVE:

Kohrs, Martin et al (88663), Thomson multimedia 46, quai A. Le Gallo,
92648 Boulogne Cedex, (FR)

PATENT (CC, No, Kind, Date): EP 1148728 A1 011024 (Basic)

APPLICATION (CC, No, Date): EP 2000402115 000724;

PRIORITY (CC, No, Date): EP 2000400941 000405

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04N-007/24; H04N-005/00

ABSTRACT WORD COUNT: 87

NOTE:

Figure number on first page: 6

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200143	640
SPEC A	(English)	200143	8079
Total word count - document A			8719
Total word count - document B			0
Total word count - documents A + B			8719

...SPECIFICATION elements of the receiver. Once the demultiplexer has selected the packets corresponding to the programmed PID values, it stores them in the circular write FIFO 15 in memory 5. The type of content of a packet, i.e. video (V), audio (A) or other (O), is determined by the microprocessor 10 from the respective PID values in the packet headers. The content of video (V) transport stream packets processed by the demultiplexer is parsed, i.e. analyzed by the Stream Parser 6, for extraction of certain types...

23/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

01343258

Method and device for decoding a digital video stream in a digital video system using dummy header insertion

Verfahren und Vorrichtung zur Dekodierung von digitalen Videosignalen in einem digitalen Fernsehsystem unter Verwendung von Scheinheadereinfügung

Methode et appareil pour decoder un signal video numerique dans un systeme

de video numerique avec insertion d'entetes factices

PATENT ASSIGNEE:

THOMSON multimedia, (1090174), 46 Quai Alphonse Le Gallo, 92100 Boulogne Billancourt, (FR), (Applicant designated States: all)

INVENTOR:

Rabu, Christophe, Thomson Multimedia, 46 quai Alphonse Le Gallo, 92648 Boulogne Cedex, (FR)

Abelard, Franck, Thomson Multimedia, 46 quai Alphonse Le Gallo, 92648 Boulogne Cedex, (FR)

Leyendecker, Philippe, Thomson Multimedia, 46 quai Alphonse Le Gallo, 92648 Boulogne Cedex, (FR)

LEGAL REPRESENTATIVE:

Kohrs, Martin et al (88661), Thomson multimedia 46, quai A. Le Gallo, 92648 Boulogne-Billancourt Cedex, (FR)

PATENT (CC, No, Kind, Date): EP 1148727 A1 011024 (Basic)

APPLICATION (CC, No, Date): EP 2000400941 000405;

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04N-007/24

ABSTRACT WORD COUNT: 95

NOTE:

Figure number on first page: 7B

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200143	607
SPEC A	(English)	200143	7300
Total word count - document A			7907
Total word count - document B			0
Total word count - documents A + B			7907

...SPECIFICATION elements of the receiver. Once the demultiplexer has selected the packets corresponding to the programmed PID values, it stores them in the circular write FIFO 15 in **memory** 5. The type of content of a packet, i.e. video (V), audio (A) or other (O), is determined by the microprocessor 10 from the respective PID values in the packet headers. The content of video (V) **transport stream** packets processed by the **demultiplexer** is parsed, i.e. analyzed by the Stream Parser 6, for extraction of certain types...

23/3,K/4 (Item 4 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

01287786

METHOD AND DEVICE FOR WRITING DATA TO A RECORDING MEDIUM IN A DIGITAL VIDEO SYSTEM

VERFAHREN UND ANLAGE ZUM SCHREIBEN VON DATEN AUF EIN AUFNAHMEMEDIUM IN EINEM DIGITALEN VIDEOSYSTEM

PROCEDE ET DISPOSITIF D'ECRITURE DE DONNEES SUR UN SUPPORT D'ENREGISTREMENT, DANS UN SYSTEME VIDEO NUMERIQUE

PATENT ASSIGNEE:

Thomson Licensing S.A., (2880641), 46, quai A.Le Gallo, 92100 Boulogne-Billancourt, (FR), (Proprietor designated states: all)

INVENTOR:

RABU, Christophe, c/o THOMSON multimedia, 46 quai Alphonse Le Gallo, 92648 Boulogne Cedex, (FR)

MAETZ, Pascal, c/o THOMSON multimedia, 46 quai Alphonse Le Gallo, 92648
Boulogne Cedex, (FR)
DESCHAMPS, Fabien, c/o THOMSON multimedia, 46 quai Alphonse Le Gallo,
92648 Boulogne Cedex, (FR)
ABELARD, Franck, c/o THOMSON multimedia, 46 quai Alphonse Le Gallo, 92648
Boulogne Cedex, (FR)

LEGAL REPRESENTATIVE:

Berthier, Karine (95701), Thomson multimedia, 46 quai A. Le Gallo, 92100
Boulogne-Billancourt, (FR)

PATENT (CC, No, Kind, Date): EP 1222824 A1 020717 (Basic)
EP 1222824 B1 030716
WO 2001026385 010412

APPLICATION (CC, No, Date): EP 2000971352 001006; WO 2000EP9922 001006

PRIORITY (CC, No, Date): FR 9912481 991007

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04N-009/877

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200329	308
CLAIMS B	(German)	200329	266
CLAIMS B	(French)	200329	335
SPEC B	(English)	200329	3186
Total word count - document A			0
Total word count - document B			4095
Total word count - documents A + B			4095

...SPECIFICATION elements of the receiver. Once the demultiplexer has selected the packets corresponding to the programmed PID values, it stores them in the circular write FIFO 15 in memory 5. The type of content of a packet, i.e. video (V), audio (A) or other (O), is determined by the microprocessor 10 from the respective PID values in the packet headers. The content of video (V) transport stream packets processed by the demultiplexer is parsed, i.e. analyzed by the Stream Parser 6, for extraction of certain types...

23/3,K/5 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01080962 **Image available**

PACKET IDENTIFIER SEARCH FILTERING

FILTRAGE DE RECHERCHE D'IDENTIFICATEUR DE PAQUETS

Patent Applicant/Assignee:

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FI (Nationality)

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Inventor(s):

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200404228 A1 20040108 (WO 0404228)

Application: WO 2003IB2416 20030620 (PCT/WO IB2003002416)

Priority Application: US 2002186026 20020627

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD
SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4322

Fulltext Availability:

Claims

Claim

... comprises a demultiplexer. - 13 . The broadband digital broadcast receiver of claim 24, further 'including a **memory** coupled to the transport stream **filter** that stores **packet identifier** values.

28 A mobile receiver that processes Internet protocol packets that are transmitted as payloads...

23/3,K/6 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00792820 **Image available**

METHOD AND DEVICE FOR WRITING DATA TO A RECORDING MEDIUM IN A DIGITAL VIDEO SYSTEM

PROCEDE ET DISPOSITIF D'ECRIURE DE DONNEES SUR UN SUPPORT D'ENREGISTREMENT, DANS UN SYSTEME VIDEO NUMERIQUE

Patent Applicant/Assignee:

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Boulogne-Billancourt, FR, FR (Residence), FR (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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ABELARD Franck, THOMSON multimedia, 46 quai Alphonse Le Gallo, F-92648
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Legal Representative:

KOHRs Martin (agent), THOMSON multimedia, 46 quai Alphonse Le Gallo,
F-92648 Boulogne Cedex, FR,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200126385 A1 20010412 (WO 0126385)

Application: WO 2000EP9922 20001006 (PCT/WO EP0009922)

Priority Application: FR 9912481 19991007

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 3636

Fulltext Availability:

Detailed Description

Detailed Description

... elements of the receiver. Once the demultiplexer has selected the packets corresponding to the programmed PID values, it stores them in the circular write FIFO 15 in memory 5. The type of content of a packet, Le. video (V), audio (A) or other (0), is determined by the microprocessor 10 from the respective PID values in the packet headers. The content of video (V) transport stream packets processed by the demultiplexer is parsed, Le. analyzed by the Stream Parser 6, for extraction of certain types of...

23/3,K/7 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00792810 **Image available**

TRICK PLAY SIGNAL GENERATION FOR A DIGITAL VIDEO RECORDER

PROCEDE ET DISPOSITIF DE PRODUCTION DE MODE EXPLORATION DANS UN SYSTEME DE VIDEO NUMERIQUE

Patent Applicant/Assignee:

THOMSON MULTIMEDIA, 46, quai Alphonse Le Gallo, F-92100

Boulogne-Billancourt, FR, FR (Residence), FR (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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DESCHAMPS Fabien, Thomson multimedia, 46, quai Alphonse Le Gallo, F-92648

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RABU Christophe, Thomson multimedia, 46, quai Alphonse Le Gallo, F-92648

Boulogne Cedex, FR, FR (Residence), FR (Nationality), (Designated only for: US)

MAETZ Pascal, Thomson multimedia, 46, quai Alphonse Le Gallo, F-92648

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Legal Representative:

KOHRs Martin (agent), Thomson multimedia, 46, quai Alphonse Le Gallo, F-92648 Boulogne Cedex, FR,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200126375 A1 20010412 (WO 0126375)

Application: WO 2000EP9919 20001006 (PCT/WO EP0009919)

Priority Application: FR 9912481 19991007; EP 2000400941 20000405; EP

2000402115 20000724

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 10381

Fulltext Availability:

Detailed Description

Detailed Description

... elements of the receiver. Once the demultiplexer has selected the packets corresponding to the programmed **PID** values, it stores them in the circular write FIFO 15 in **memory** 5. The type of content of a packet, Le. video (V), audio (A) or other (0), is determined by the microprocessor 10 from the respective **PID** values in the packet headers. The content of video (V) **transport stream** packets processed by the **demultiplexer** is parsed, i.e. analyzed by the Stream Parser 6, for extraction of certain types...

?

30/3,K/1 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01475105

TRANSMITTER

SENDER

EMETTEUR

PATENT ASSIGNEE:

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FUJINAMI, Yasushi, c/o SONY CORPORATION, 7-35, Kitashinagawa 6-chome,
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PATENT (CC, No, Kind, Date): EP 1292143 A1 030312 (Basic)

WO 2002067586 020829

APPLICATION (CC, No, Date): EP 2002700667 020221; WO 2002JP1544 020221

PRIORITY (CC, No, Date): JP 200146106 010222

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04N-007/16

ABSTRACT WORD COUNT: 168

NOTE:

Figure number on first page: 011

LANGUAGE (Publication,Procedural,Application): English; English; Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200311	1929
SPEC A	(English)	200311	22187
Total word count - document A			24116
Total word count - document B			0
Total word count - documents A + B			24116

...SPECIFICATION to the control section 31. The control section 31 stores the received PSI into the **memory** 32.

The **EPG PID filter** 37 extracts a transport packet which contains an **EPG** from the supplied transport stream. The PID of the transport packet containing the **EPG** is supplied from the control section 31. On the basis of this supplied PID, the **EPG PID filter** 37 further extracts **EPG** information from the extracted transport packet and outputs the extracted **EPG** information to the control section 31. The control section 31 stores the received **EPG** information into the **memory** 32.

The output **PID filter** 38 extracts a transport packets which contains a video stream and an audio stream...indicates that the receiving apparatus 3 shown in FIG. 19 has a storage-system **PID filter** 71 in place of the **EPG PID filter** 37 of the receiving apparatus 3 shown in FIG. 3.

In what follows, the **EPG**...

...**PID filter** 37 is referred to as "old **EPG**" and the **EPG** handled by the **storage -system PID filter** 71 is referred to as "new **EPG** " so as to distinguish them as required.

The storage-system **PID filter** 71 extracts, from the supplied transport stream, the transport packet including the control stream, the

new EPG , and the data stream (time and key data and content data). The control stream, the new EPG , and the time and key data in the data stream are supplied to the control...

...supplies the value of the PID of the transport packet carrying "new EPG" to the **storage** -system **PID filter** 71. This value is set in advance and stored in the control section 31. By use of the given **PID** value, the **storage** -system **PID filter** 71 extracts the **EPG** information from the transport packet and supplies it to the control section 31. The supplied **EPG** information is stored in ...upon which the **PSI** stored in the memory 32 is updated. As described above, the **storage** -system **PID filter** 71 uses the given **PID** value to select a transport packet, extracts **EPG** data, and supplied the extracted **EPG** data to the control section 31. Thus, the **EPG** information stored in the memory 32 is updated.

In step S55, the control section 31...section 31 supplies the **PID** value of the transport packet carrying "new EPG" to the **storage** -system **PID filter** 71. This value is predetermined and stored in the control section 31. By use of the given **PID** value, the **storage** -system **PID filter** 71 extracts **EPG** information from the transport packet and supplies it to the control section 31. The supplied **EPG** information is stored in the memory 32 of the control section 31.

The above-mentioned...

?

36/3,K/9 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00180482 **Image available**

DISTRIBUTED INTELLIGENCE NETWORK USING TIME AND FREQUENCY MULTIPLEXING
RESEAU INFORMATIQUE DECENTRALISE A MULTIPLEXAGE TEMPOREL ET EN FREQUENCE

Patent Applicant/Assignee:

FIRST PACIFIC NETWORKS INC,

Inventor(s):

CHU Chi-Chi,
SANGAMESWARA Shanobhog,
VITA Peter Paul Lugtu,
OUYE Michael,
STEVENS David R F,
BARANSKI Celeste,
MONSSON Cai U,
MURPHY Timothy Patrick,
MURPHY Kevin Thomas,
SALDINGER Alan,
CRINGLE Robert J,
McNAMARA Robert P,
ELLIS Gary M,
GHATE Ranjit,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9013956 A1 19901115

Application: WO 89US1806 19890428 (PCT/WO US8901806)

Priority Application: WO 89US1806 19890428

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AT AU BE CH DE FR GB IT JP KR LU NL SE

Publication Language: English

Fulltext Word Count: 72289

Fulltext Availability:

Claims

Claim

... have a

packet to return to the Doghouse an an RIO call, a receive data **buffer** will be included in each call to the device driver, The addition of the receive **buffer** eliminates the need for two RIO calls (one to send a packet and one to...body of the message. This does not include protocol header or trailer fields such as **PID** , control, length, or Checksum, For first release, the maximum value of this field is 44.

Message Body (0 to 44 bytes) - is the data portion of the **packet** and is only valid for DATA **packets** . The region is a variable length field which contains information used by higher level communications layers. Refer to the section on Message Unpacking & **Buffering** for a more complete description of this field.
Checksum, (2 bytes) - is the mathematical summation of all bytes in the **packet** not in

36/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00912081

PROCESSING OF DIGITAL DATA AND PROGRAM GUIDE INFORMATION
VERARBEITUNG VON DIGITALEN DATEN UND PROGRAMMFUHRUNGSIONFORMATIONEN
TRAITEMENT DE DONNEES NUMERIQUES ET D'INFORMATIONS GUIDES SUR LES
PROGRAMMES

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 903036 A1 990324 (Basic)
EP 903036 B1 010801
WO 9746008 971204

APPLICATION (CC, No, Date): EP 97927746 970522; WO 97US8875 970522

PRIORITY (CC, No, Date): US 18722 P 960531; US 696415 960813

DESIGNATED STATES: DE; ES; FR; GB; IE; IT

INTERNATIONAL PATENT CLASS: H04N-005/44

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200131	890
CLAIMS B	(German)	200131	863
CLAIMS B	(French)	200131	1093
SPEC B	(English)	200131	8939
Total word count - document A			0
Total word count - document B			11785
Total word count - documents A + B			11785

...SPECIFICATION selected program SR.

In step 520, controller 115 accesses the playback datastream CPSI data
via **buffer** 60 and examines the data for a change in version number
occurring between successive CPSI...

...the playback datastream for a discontinuity as indicated by a
'discontinuity indicator' in the packet **header** adaptation **field**
(defined in section 2.4.3.5 of the MPEG systems standard). Upon detection
of...

...change in version number or discontinuity, controller 115 applies the
latest complete CPSI data to **transport** decode the playback datastream.
It is to be noted that controller 115 may also be...

...upon a variety of other conditions including detection of a continuity
count mismatch between successive **packets** of a particular **PID** and
transport error indications. Both of these parameters are present in the
playback datastream **packet** headers (defined in section 2.4.3.2 of the

MPEG systems standard). Controller 115...

36/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00911993

DECODING OF DIGITAL DATA INCLUDING PROGRAM SPECIFIC INFORMATION
DEKODIERUNG VON DIGITALEN DATEN MIT PROGRAMMSPEZIFISCHER INFORMATION
DECODAGE DE DONNEES NUMERIQUES COMPRENANT DES INFORMATIONS SPECIFIQUES A UN
PROGRAMME

PATENT ASSIGNEE:

THOMSON CONSUMER ELECTRONICS, INC., (1066932), 10330 North Meridian St,
Indianapolis, IN 46290-1024, (US), (Proprietor designated states: all)

INVENTOR:

BLATTER, Harold, 2220 Brewster Road, Indianapolis, IN 46260, (US)
BRIDGEWATER, Kevin, Elliott, 290 South Muessing Road, Indianapolis, IN
46229, (US)

DEISS, Michael, Scott, 1103 Indian Pipe Lane, Zionsville, IN 46077, (US)
HORLANDER, Thomas, Edward, 6234 Haverford Avenue, Indianapolis, IN 46220,
(US)

LEGAL REPRESENTATIVE:

Wordemann, Hermes, Dipl.-Ing. et al (61963), Deutsche Thomson-Brandt
GmbH, Licensing & Intellectual Property, Karl-Wiechert-Allee 74, 30625
Hannover, (DE)

PATENT (CC, No, Kind, Date): EP 903034 A1 990324 (Basic)
EP 903034 B1 030305
WO 97046010 971204

APPLICATION (CC, No, Date): EP 97926834 970522; WO 97US9332 970522

PRIORITY (CC, No, Date): US 18722 P 960531; US 696292 960813

DESIGNATED STATES: DE; ES; FR; GB; IE; IT

INTERNATIONAL PATENT CLASS: H04N-005/44

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200310	232
CLAIMS B	(German)	200310	222
CLAIMS B	(French)	200310	298
SPEC B	(English)	200310	8999
Total word count - document A			0
Total word count - document B			9751
Total word count - documents A + B			9751

...SPECIFICATION selected program SR.

In step 520, controller 115 accesses the playback datastream CPSI data
via **buffer** 60 and examines the data for a change in version number
occurring between successive CPSI...

...the playback datastream for a discontinuity as indicated by a
'discontinuity indicator' in the packet **header** adaptation **field**
(defined in section 2.4.3.5 of the MPEG systems standard). Upon detection
of...

...change in version number or discontinuity, controller 115 applies the
latest complete CPSI data to **transport** decode the playback datastream.
It is to be noted that controller 115 may also be...

...upon a variety of other conditions including detection of a continuity

count mismatch between successive **packets** of a particular **PID** and **transport** error indications. Both of these parameters are present in the playback datastream **packet** headers (defined in section 2.4.3.2 of the MPEG systems standard). Controller 115...

36/3,K/3 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00803964 **Image available**

ADAPTIVE TRANS-SCRAMBLING MECHANISM FOR DIGITAL TELEVISION MULTIPLE DATA TRANSPORT SYSTEM

MECANISME DE CRYPTAGE ADAPTATIF POUR SYSTEME DE TRANSPORT DE DONNEES MULTIPLE DE TELEVISION NUMERIQUE

Patent Applicant/Assignee:

SCM MICROSYSTEMS GMBH, Sperl-Ring 4 Hettenshausen, 85276 Pfaffenhofen, DE
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Inventor(s):

VANTALON Luc, 1396 Cordilleras Avenue, Sunnyvale, CA 94087, US,
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Legal Representative:

DEGWERT Hartmut (agent), Prinz & Partner, Manzingerweg 7, 81241 Munchen, DE,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200137562 A1 20010525 (WO 0137562)

Application: WO 2000EP11485 20001117 (PCT/WO EP0011485)

Priority Application: US 99444490 19991119

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

JP SG

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Publication Language: English

Filing Language: English

Fulltext Word Count: 17075

Fulltext Availability:

Claims

Claim

... CON IONAL I

I v

i 'L4 ECO

SS

ACCES

MODULE

-----j

19d

ITTER **PACKET** CEIVER I o ODER 33

STREAM

CRY ION ER PY PROTECT

SYSTEM SYSTEM 10A ESCRAMBLER 33A

PCMCIA CONNECTOR

CRYPTION

LOOP

OPY...

...47 CY

36/3,K/4 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00742639 **Image available**

NETWORK SWITCH

COMMUTATEUR DE RESEAU

Patent Applicant/Assignee:

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92619-7013, US, US (Residence), US (Nationality), (For all designated
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Patent Applicant/Inventor:

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AMBE Shekhar, 3220 Verdant Way, San Jose, CA 95117, US, US (Residence),
IN (Nationality), (Designated only for: US)
KALKUNTE Mohan, 1538 Magpie Lane, Sunnyvale, CA 94087, US, US (Residence)
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KALAPATHY Paul, 21750 Stagecoach Road, Los Gatos, CA 95033, US, US
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JORDA Michael A, 640 Aztec Court, Fremont, CA 94539, US, US (Residence),
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Legal Representative:

GOLDHUSH Douglas H, Arent Fox Plotkin Kintner & Kahn, PLLC, Suite 600,
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200056024 A2 20000921 (WO 0056024)
Application: WO 2000US6942 20000317 (PCT/WO US0006942)
Priority Application: US 99124878 19990317; US 99135603 19990524; US
99343409 19990630; US 99149706 19990820

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 53913

Fulltext Availability:

Claims

Claim

... lookup table.

101. Anetworkswitchfornetworkcommunicationsasrecited in claim
100, wherein said first address lookup table includes even memory
address locations in sorted order.

102. Anetworkswitchfornetworkcommunicationsasrecitedinclaim
1 00, wherein said second address lookup table includes odd memory
address locations in sorted order.

103. A network switch for network communications as recited in claim 100, wherein said at least one address search...further configured to: compare a desired address to an address entry stored in a selected memory address location within said first address lookup table; determine a hit if said address entry stored in said selected memory address location is equal to said desired address; decrement said selected memory address location to a next selected memory

36/3,K/5 (Item 3 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00742629 **Image available**

METHOD FOR AVOIDING OUT-OF-ORDERING OF FRAMES IN A NETWORK SWITCH
PROCEDE PERMETTANT D'EVITER LA MISE HORS SERVICE DE TRAMES DANS UN
COMMUTATEUR DE RESEAU

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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AMBE Shekhar, 3220 Verdant Way, San Jose, CA 95117, US, US (Residence), IN (Nationality), (Designated only for: US)
KALKUNTE Mohan, 1538 Magpie Lane, Sunnyvale, CA 94087, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

GOLDHUSH Douglas H (et al) (agent), Arent Fox Plotkin Kintner & Kahn, PLLC, Suite 600, 1050 Connecticut Avenue, N.W., Washington, DC 20036-5339, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200056013 A2-A3 20000921 (WO 0056013)
Application: WO 2000US7015 20000317 (PCT/WO US0007015)
Priority Application: US 99124878 19990317; US 99127587 19990402; US 99135607 19990524; US 99343409 19990630; US 99149706 19990820

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 54478

Fulltext Availability:

Claims

Claim

... if a transmitting queue depth of the second link is sufficient to receive said second frame further comprises the step of comparing a queue depth of the first link plus a number of bits in the second frame to a queue depth of the second link.

Fig-1
52
EXTERNAL
CPU

36/3,K/6 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00741102 **Image available**

**SYSTEM AND METHOD FOR DISTRIBUTING PACKET PROCESSING IN AN INTERNETWORKING
DEVICE**

**SYSTEME ET PROCEDE DE DISTRIBUTION DU TRAITEMENT DE PAQUETS DANS UN
DISPOSITIF D'INTERCONNEXION DE RESEAUX**

Patent Applicant/Assignee:

LUCENT TECHNOLOGIES INC, 600 Mountain Avenue, Murray Hill, NJ 07974, US,
US (Residence), US (Nationality)

Inventor(s):

TEPLITSKY Yakov, 10362 Leola Court #2, Cupertino, CA 95014, US

Legal Representative:

SOKOHL Robert E, Sterne, Kessler, Goldstein & Fox P.L.L.C., Suite 600,
1100 New York Avenue, N.W., Washington, DC 20005-3934, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200054467 A1 20000914 (WO 0054467)

Application: WO 2000US6048 20000309 (PCT/WO US0006048)

Priority Application: US 99265130 19990310

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI
GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV
MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ
UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 10875

Fulltext Availability:

Claims

Claim

... 28. The method of claim 27, further comprising the step of
transmitting the network layer **packet** to said network interface card
that is associated with said destination port number only if...

...plurality of network interface cards.

"Prior Art"

156(1) 156(2) 156(N) 143

155

transport layer 154

network layer

140 1

152 160

data link layer data link layer data...

...112
 Dat
 122 201 140 141
 [@@F
 210 201
 TLH I Data 240 152 160
 Transport e-@j 214 212 210 201 r--@ 216 24re
 202 212 210 201 Data Link...244
 3
 FIGm 2
 F 301(1) 301 (2)
 310 311 312 322 323 324
 Transport 308 320

36/3,K/7 (Item 5 from file: 349)
 DIALOG(R)File 349:PCT FULLTEXT
 (c) 2004 WIPO/Univentio. All rts. reserv.

00739517 **Image available**

A HIGH PERFORMANCE NETWORK INTERFACE
INTERFACE RESEAU HAUTE PERFORMANCE

Patent Applicant/Assignee:

SUN MICROSYSTEMS INC, 901 San Antonio Road, Palo Alto, CA 94303, US, US
 (Residence), US (Nationality)

Inventor(s):

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 GENTRY Denton, 34892 Sea Cliff Terrace, Fremont, CA 94555, US
 WATKINS John, 1469 Yukon Drive, Sunnyvale, CA 94087, US
 CHENG Linda, 1318 Burkette Drive, San Jose, CA 95129, US

Legal Representative:

VAUGHAN Daniel E, Park & Vaughan LLP, Suite 5, 399 Sherman Avenue, Palo
 Alto, CA 94306, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200052904 A1 20000908 (WO 0052904)
 Application: WO 2000US5349 20000229 (PCT/WO US0005349)
 Priority Application: US 99259765 19990301

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
 prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB
 GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA
 MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA
 UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 78802

Fulltext Availability:

Claims

Claim

... determined whether the header buffer is full. In this embodiment of
 the invention, where each **buffer** is eight kilobytes in size and entries
 in the header **buffer**

97

are no larger than 256 bytes, up to thirty-two entries may be stored in a

header **buffer** . Thus, a counter may be used to keep track of entries placed in each new header **buffer** and the **buffer** can be considered full when thirty-two entries are stored. Other methods of determining whether a **buffer** is full are also suitable. For example, after a packet is stored in the header **buffer** a new next address field may be calculated and the difference between the new next address field and the initial address of the **buffer** may be compared to the size of the **buffer** (e.g., eight kilobytes). If less than a predetermined number of bytes (e.g., 256) are unused, the **buffer** may be considered full. If the **buffer** is full, in state 141 0 the header **buffer** is invalidated to ensure that it is 1 0 not used again. Illustratively, this involves setting the header **buffer** table's validity indicator to invalid and communicating this status to the host computer via...

...in this state. If another descriptor is used 5 simply to report a full header **buffer** , the descriptor's header size and data size fields may be set to zero to indicate that no new packet was transferred with this descriptor. If the header **buffer** is not full, then in stat

36/3,K/8 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00441820 **Image available**

IMPROVEMENTS IN OR RELATING TO SWITCHING BETWEEN COMPRESSED BITSTREAMS
PERFECTIONNEMENTS RELATIFS A LA COMMUTATION ENTRE TRAINS BINAIRES COMPRIMES

Patent Applicant/Assignee:

NDS LIMITED,
BOCK Alois Martin,
DALLARD Nigel Stephen,

Inventor(s):

BOCK Alois Martin,
DALLARD Nigel Stephen,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9832284 A1 19980723
Application: WO 97GB3547 19971224 (PCT/WO GB9703547)
Priority Application: GB 97956 19970117

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU CA JP US AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 2718

Fulltext Availability:

Detailed Description

Detailed Description

... will detect this change at some indeterminate time, and commence to reconfigure itself, flush its **buffers** and attempt to resynchronise with the incoming bitstream. By changing the **transport - packet -identification (PID) fields** in the **headers** of the **transport packets** to those used by the original program, changing the PSI is not required, and this...

File 2:INSPEC 1969-2004/Jul W3
(c) 2004 Institution of Electrical Engineers
File 6:NTIS 1964-2004/Jul W4
(c) 2004 NTIS, Intl Cpyrght All Rights Res
File 8:Ei Compendex(R) 1970-2004/Jul W3
(c) 2004 Elsevier Eng. Info. Inc.
File 34:SciSearch(R) Cited Ref Sci 1990-2004/Jul W4
(c) 2004 Inst for Sci Info
File 35:Dissertation Abs Online 1861-2004/May
(c) 2004 ProQuest Info&Learning
File 65:Inside Conferences 1993-2004/Jul W4
(c) 2004 BLDSC all rts. reserv.
File 94:JICST-EPlus 1985-2004/Jul W1
(c)2004 Japan Science and Tech Corp(JST)
File 95:TEME-Technology & Management 1989-2004/Jun W1
(c) 2004 FIZ TECHNIK
File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Jun
(c) 2004 The HW Wilson Co.
File 144:Pascal 1973-2004/Jul W3
(c) 2004 INIST/CNRS
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
(c) 2003 EBSCO Pub.
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group
File 603:Newspaper Abstracts 1984-1988
(c)2001 ProQuest Info&Learning
File 483:Newspaper Abs Daily 1986-2004/Jul 28
(c) 2004 ProQuest Info&Learning
File 248:PIRA 1975-2004/Jul W3
(c) 2004 Pira International

Set	Items	Description
S1	19643	DIRECTV OR DIRECT()TELEVISION OR SATELLITE(3N) (TV OR TELEVISION)
S2	2733316	TRANSPORT? OR STREAM?
S3	990	S2 AND DEMULTIPLEX?
S4	3295	ADVANCED()PROGRAM()GUIDE OR APG OR EPG
S5	13108	(PROGRAM? OR TV OR TELEVISION OR ELECTRONIC) (3N)GUIDE??
S6	1518071	FRAME?? OR PACKET?? OR OBJECT??
S7	1486	HEADER?? AND (RECORD?? OR FIELD??)
S8	41294	SCID OR PID OR PACKET()IDENTIFIER?? OR SERVICE()CHANNEL() (-ID OR IDENTIFIER?)
S9	1053	S8 AND (BUFFER? OR STORAGE? OR MEMORY OR CACHE)
S10	183	S9 AND (SIZE OR AMOUNT OR ALLOCATION OR NUMBER?)
S11	863880	FILTER?
S12	376	(MULTIPLE OR MANY OR SEVERAL OR NUMEROUS OR PLURAL?) (3N)S8
S13	39	S12 AND (MAP OR MAPPING OR MAPPED OR CORRESPOND? OR MATCH? OR ONE(1N)ONE)
S14	46029	S6 AND S11
S15	95676	AU=(LEE, J? OR LEE J?)
S16	0	S3 AND (S4 OR S5) AND S14
S17	0	S13 AND S7
S18	0	S13 AND S14
S19	0	S6 AND S7 AND S8
S20	422	S1 AND S2
S21	5	S20 AND (S4 OR S5)
S22	4	RD S21 (unique items)
S23	5	S3 AND (S4 OR S5)
S24	4	S23 NOT S22

S25	4	RD S24 (unique items)
S26	2	(S4 OR S5) AND S8
S27	2	RD S26 (unique items)
S28	0	S1 AND (S10 OR S12 OR S13)
S29	382	S1 AND (S6 OR S7 OR S8)
S30	20	S29 AND (MAP OR MAPPING OR MAPPED OR CORRESPOND? OR MATCH? OR ONE(1N)ONE)
S31	4	S30 AND S11
S32	4	S31 NOT (S21 OR S23)
S33	4	RD S32 (unique items)
S34	16	S30 NOT (S31 OR S21 OR S23)
S35	14	RD S34 (unique items)
S36	9	S1 AND S15
S37	9	RD S36 (unique items)
S38	9	S37 NOT (S35 OR S31 OR S21 OR S23)
S39	9	RD S38 (unique items)
S40	43	S10 AND PY=2001:2004
S41	140	S10 NOT S40
S42	0	S41 AND S1

22/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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5751937 INSPEC Abstract Number: B9712-6420-040

Title: Digital TV multiprogramme by satellite -converging to a world wide standard

Author(s): Sesena, J.; Prieto, H.

Author Affiliation: HISPASAT, Spain

Conference Title: IBC - International Broadcasting Convention (Conf. Publ. No.447) p.447-55

Publisher: IEE, London, UK

Publication Date: 1997 Country of Publication: UK xvi+710 pp.

ISBN: 0 85296 694 6 Material Identity Number: XX97-01374

Conference Title: Proceedings of International Broadcasting Conference

Conference Sponsor: IEE; IEEE; Inst. Assoc. Broadcasting Manufacturers; R. Telev. Soc.; Soc. Cable Telecommun. Eng.; Soc. Motion Picture & Telev. Eng

Conference Date: 12-16 Sept. 1997 Conference Location: Amsterdam, Netherlands

Language: English

Subfile: B

Copyright 1997, IEE

Title: Digital TV multiprogramme by satellite -converging to a world wide standard

...Abstract: Rapporteur to prepare a report on common elements, definition of interfaces, etc., among the various **satellite** digital multiprogramme TV systems operating at 11/12 GHz. The work done by the Special Rapporteur has concluded...

... universal elements of a satellite set-top-box perform the following functions: demodulation and decoding, **transport** and demultiplexing as well as source decoding of video, audio and data. The incorporation of...

... well as to the exploration of convergence for the other additional essential functions (as interfaces, **EPG**, SI, etc.)....

...Identifiers: digital **satellite** TV ;

22/3,K/2 (Item 1 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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06048365

Star TV to Begin Digital Service

HONGKONG: STAR TV TO LAUNCH DIGITAL SERVICE

The Asian Wall Street Journal (XKO) 16 Sep 1994 p.3

Language: ENGLISH

Satellite Television Asian Region Ltd signed an agreement with News Datacom, NTL and Comstream to deliver a...

... compression of 4 channels onto a single transponder. Moreover, the 32-channel system will provide **electronic programming guides** and multi-lingual subtitling. It will target cable and direct-to-home markets in Asia. DigiSTAR will be on **stream** from AsiaSat 2, which would be launched in early 1995.

COMPANY: COMSTREAM; NTL; NEWS DATACOM; **SATELLITE TELEVISION** ASIAN

REGION

PRODUCT: **Satellite TV** Communications

22/3,K/3 (Item 1 from file: 483)
DIALOG(R)File 483:Newspaper Abs Daily
(c) 2004 ProQuest Info&Learning. All rts. reserv.

06065062 SUPPLIER NUMBER: 55385302
Murdoch's \$40bn satellite gambit
Treanor, Jill
Guardian, p 30
Jun 21, 2000
NEWSPAPER CODE: MG
; Newspaper article
LANGUAGE: English RECORD TYPE: ABSTRACT

...ABSTRACT: biggest ever flotation of a media company when his News Corp empire spins off its **satellite television** businesses, including its 40% stake in BSkyB. The flotation will bring together the stakes News Corp owns in British Sky Broadcasting, Star TV in Asia, **Stream** in Italy, Sky Brazil, Sky Mexico, Sky Multi-country partners and Sky PerfecTV of Japan...

...will also include its equity stakes in NDS, a set-top box business, and its **TV Guide** operation in the US. News Corp described the much-anticipated move - pre viously known as...

22/3,K/4 (Item 2 from file: 483)
DIALOG(R)File 483:Newspaper Abs Daily
(c) 2004 ProQuest Info&Learning. All rts. reserv.

05873277 SUPPLIER NUMBER: 49609397
News Corp. to Merge Satellite Operations --- Murdoch Planning to Form New Public Company With Global Holdings
Lippman, John
Wall Street Journal, p A3
Feb 14, 2000
ISSN: 0099-9660 NEWSPAPER CODE: WSJ
; Newspaper article
LANGUAGE: English RECORD TYPE: ABSTRACT

...ABSTRACT: company would consolidate News Corp.'s array of satellite interests, which include the pan-Asian **satellite** service Star **TV** ; a 40% stake in British Sky Broadcasting; and minority stakes in Japan Sky Broadcasting, Sky Latin America, Germany's Premiere, Italy's **Stream** and Foxtel in Australia. News Corp. also would likely include its 82% stake in News Digital Systems, which makes encryption systems and digital software, and its 20% stake in **TV Guide** International, the planned product of the sale of **TV Guide** Inc. to Gemstar International Group Inc.

?

25/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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5028204 INSPEC Abstract Number: B9510-6430D-011

Title: Understanding how interactive television set-top box works. . .and what it will mean to the customer

Author(s): Droitcourt, J.L.

Author Affiliation: LSI Logic Europe, Paris, France

Conference Title: IBC 95. International Broadcasting Convention (Conf. Publ. No. 413) p.382-94

Publisher: IEE, London, UK

Publication Date: 1995 Country of Publication: UK xviii+572 pp.

ISBN: 0 85296 644 X

Conference Title: International Broadcasting Conference IBC '95

Conference Sponsor: IEEE; IEE; Int. Assoc. Broadcasting Manuf.; Royal Telev. Soc.; Soc. Cable Telecommun. Eng.; Soc. Motion Picture & Telev. Eng
Conference Date: 14-18 Sept. 1995 Conference Location: Amsterdam, Netherlands

Language: English

Subfile: B

Copyright 1995, IEE

...Abstract: analog and digital basic set-top converter box that includes near video-on-demand and program guide service is currently being developed and deployed by cable TV operators. However, a more complex...

... complete portfolio of the intellectual property necessary to engage in this market: demodulation, error correction, transport stream demultiplexing, MPEG and AC3 audio, and MPEG2 and Digicipher II video, and a process technology that...

...Identifiers: program guide service...

... transport stream demultiplexing ;

25/3,K/2 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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03089631 JICST ACCESSION NUMBER: 97A0245464 FILE SEGMENT: JICST-E

CSR-P1 Integrated Receiver/Decoder for PerfectTV!

KIKUDA YUKIO (1); YAMADA MASAHIRO (2)

(1) Toshiba Corp., Fukaya Work.; (2) Toshiba Corp.

Toshiba Rebyu(Toshiba Review), 1997, VOL.52,NO.2, PAGE.63-66, FIG.6, TBL.1

JOURNAL NUMBER: F0360AAK ISSN NO: 0372-0462 CODEN: TORBA

UNIVERSAL DECIMAL CLASSIFICATION: 621.397.62

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

...ABSTRACT: to provide new services, and this integrated receiver/decoder has various advanced features such as program guide, favorite program selection, and programmable timer. We have reduced the cost and number of parts by using a new-generation IC, which combines some functions of the former-generation IC with the transport demultiplex software procedure. (author abst.)

25/3,K/3 (Item 1 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs
(c) 2004 The HW Wilson Co. All rts. reserv.

2402328 H.W. WILSON RECORD NUMBER: BAST01105857
STB technology: from interactive to EPG
Massel, Mark;
World Broadcast Engineering v. 24 no10 (Oct. 2001) p. 32, 34
DOCUMENT TYPE: Feature Article ISSN: 1050-012X

STB technology: from interactive to EPG

...ABSTRACT: systems incorporate a single tuner to select a particular channel of programs of interest. The **transport stream** then is **demultiplexed** to permit viewers to select only one program to be displayed on their TV screens. The fact that the **transport stream** is digital is very important to the STB and for some of the novel features...

DESCRIPTORS: ...Interactive **program guides** ;

25/3,K/4 (Item 1 from file: 144)
DIALOG(R)File 144:Pascal
(c) 2004 INIST/CNRS. All rts. reserv.

13426916 PASCAL No.: 98-0120750
Digital TV multiprogramme by satellite : Converging to a world wide standard
IBC : international broadcasting convention : Amsterdam, 12-16 September 1997

SESENA J; PRIETO H
HISPASAT, Spain
Institution of Electrical Engineers, London, United Kingdom.
International broadcasting convention (Amsterdam NLD) 1997-09-21
Journal: IEE conference publication, 1997 (447 p.1) 447-455
Language: English

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... universal elements of a satellite set-top-box perform the following functions: demodulation and decoding, **transport** and **demultiplexing** as well as source decoding of video, audio and data. The incorporation of these elements...

... well as to the exploration of convergence for the other additional essential functions (as interfaces, **EPG** , SI, etc.)
?

27/3,K/1 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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02552927 JICST ACCESSION NUMBER: 95A0641169 FILE SEGMENT: JICST-E
C programming language guide to engineers. Last report. Measurements
and controls by the C language. (4).

WATANUKI KEIICHI (1)

(1) Saitama Univ., Fac. of Eng.

Kikai Sekkei(Machine Design), 1995, VOL.39,NO.12, PAGE.126-133, FIG.7,
REF.6

JOURNAL NUMBER: G0863AAL ISSN NO: 0387-1045

UNIVERSAL DECIMAL CLASSIFICATION: 007.52:681.51

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Commentary

MEDIA TYPE: Printed Publication

C programming language guide to engineers. Last report. Measurements
and controls by the C language. (4).

...DESCRIPTORS: PID action

27/3,K/2 (Item 1 from file: 144)

DIALOG(R)File 144:Pascal

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15512647 PASCAL No.: 02-0209041

Fuzzy speed and steering control of an AGV

KODAGODA K R S; WIJESOMA W S; TEOH E K

School of Electrical and Electronic Engineering, Nanyang Technological
University, Singapore 639798, Singapore

Journal: IEEE transactions on control systems technology, 2002, 10 (1)
112-120

Language: English

... control schemes for the particular outdoor AGV is also compared
against conventional proportional integral derivative (PID) controllers.
Experimental results demonstrate that the proposed fuzzy logic controllers,
which are synthesized from a variable structure systems view point, also
outperform conventional PID schemes, particularly in tracking accuracy,
steady-state error, control chatter, and robustness.

...English Descriptors: control; Differential integral proportional control
; Autonomous system; Navigation; Fuzzy control; Logic control; Speed
control; Control **program** ; Markets; **Guided** vehicle; Automated guided
vehicle; Motor car; Braking; Intelligent control; Velocity; Fuzzy logic;
Heuristic method

...French Descriptors: proportionnelle derivee; Commande proportionnelle
integrale derivee; Systeme autonome; Navigation; Commande floue; Commande
logique; Commande vitesse; **Programme** commande; Marche; Vehicule **guide**
; Chariot sans conducteur; Automobile; Freinage; Commande intelligente;
Vitesse; Logique floue; Methode heuristique

Spanish Descriptors: Robotica; Robot movil; Control PD; Control **PID** ;
Sistema autonomo; Navegacion; Control difusa; Control logico; Control
velocidad; Programa mando; Mercado; Vehiculo guiado; Vehiculo...

?

33/3,K/1 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS

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0784418 NTIS Accession Number: AD-A073 674/4/XAB

HF Modem Evaluations for the Advanced Narrowband Digital Voice Terminal (ANDVT)

(Final rept)

Chase, D. ; Bello, P. A. ; Boardman, C. ; Pickering, L. ; Pinto, R.

Cnr Inc Needham MA

Corp. Source Codes: 407852

Nov 78 128p

Languages: English

Journal Announcement: GRAI7926

See also AD-A073,479.

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A07/MF A01

... detection format with an adaptive threshold, a multiple-tone/multiple-stage Doppler estimation algorithm, a **matched filter frame** estimation algorithm utilizing PN correlation properties, a low-rate error-correction coding approach for protection...

33/3,K/2 (Item 1 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

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05229394 E.I. No: EIP99024569407

Title: Design methodology for a DVB satellite receiver ASIC

Author: Vaupel, Martin; Lambrette, Uwe; Dawid, Herbert; Joeressen, Olaf; Bitterlich, Stefan; Meyr, Heinrich; Frieling, Focko; Mueller, Karsten; Kluge, Gotz

Corporate Source: RWTH Aachen Univ of Technology, Aachen, Ger

Source: Design Automation for Embedded Systems v 3 n 4 Sep 1998. p 255-290

Publication Year: 1998

CODEN: DAESFC ISSN: 0929-5585

Language: English

...Abstract: The device consists of an A/D converter with AGC, timing and carrier synchronizer with **matched filter**, Viterbi decoder including node synchronization, byte and **frame** synchronizer, convolutional de-interleaver, Reed Solomon decoder, and a descrambler. The system was designed in...

...verification of the building blocks, and functional hardware verification an advanced design methodology and the **corresponding** tool framework are presented which guarantee both short design time and highly reliable results. The...

Descriptors: **Satellite** communication systems; **Television** broadcasting ; Signal receivers; Application specific integrated circuits; Synchronization; Decoding; Electric network synthesis; Power converters; Electric **filters** ; Algorithms

33/3,K/3 (Item 1 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online
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01849270 ORDER NO: AADAA-I3025650

Global gatekeepers: Mapping the news culture of English language television news producers inside Deutsche Welle

Author: Silcock, B. William

Degree: Ph.D.

Year: 2001

Corporate Source/Institution: University of Missouri - Columbia (0133)

Source: VOLUME 62/09-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 2915. 248 PAGES

ISBN: 0-493-37328-4

Global gatekeepers: Mapping the news culture of English language television news producers inside Deutsche Welle

...case study of English language television news producers working for Journal, Deutsche Welle's (DW- TV) **satellite** -distributed news broadcast, reveals how television newswork inside a global newsroom is culturally **framed** . By examining the newsroom routines and rituals, the study suggests individual and group domestic cultural...

...stories once the broadcast was on air. The research also uncovered evidence for socio-cultural **filters** that influence framing in ways not previously linked to the role of the producer. The socio-cultural **filters** include (a) the domestication **filter** , which focuses on the desire to tailor international news to a domestic audience; (b) the humanization **filter** , which reveals differences in how the Germans and Anglos consider the individual and the individual in cultural/historic context; and (c) the conflict/consensus **filter** , which suggests the relevance of the larger cultural world view in the construction of news. Further, these **filters** became evident in two routines by the Anglo and German producers to shape foreign news...

33/3,K/4 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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01756813 JICST ACCESSION NUMBER: 93A0557756 FILE SEGMENT: JICST-E

Satellite Television **Receiver Built-In TV Set.**

ADACHI CHIHIRO (1); OKUBO FUYUKI (2); HAYASHI YOSHIKAZU (2); OMOTO NORIAKI (2)

(1) Matsushita Electric Industrial Co., Ltd.; (2) Matsushitadenkisangyo Eizogiken

Natl Tech Rep, 1993, VOL.39,NO.3, PAGE.267-274, FIG.13, TBL.4, REF.3

JOURNAL NUMBER: G0474AAH ISSN NO: 0028-0291 CODEN: NTROA

UNIVERSAL DECIMAL CLASSIFICATION: 621.397.62

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

Satellite Television **Receiver Built-In TV Set.**

...ABSTRACT: 03-1.77 GHz) (2) BS/CS input signal switching function (3) FM demodulating function **corresponding** to CS band switching (4) Energy dispersal signal eliminating function (5) Antenna control function In

...DESCRIPTORS: band pass **filter** ;

...BROADER DESCRIPTORS: **filter** (signal...

... **filter** ; ...

...flying **object** ;

?

35/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6331323 INSPEC Abstract Number: C1999-10-6160S-014

Title: Interactive video description on the network-interactive video representation of real world based on digital city map

Author(s): Yatabe, T.; Kawasaki, H.; Sakauchi, M.

Author Affiliation: Inst. of Ind. Sci., Tokyo Univ., Japan

Conference Title: Proceedings IEEE International Conference on Multimedia Computing and Systems Part vol.2 p.194-8 vol.2

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 1999 Country of Publication: USA 2 vol. (xlix+909+1127) pp.

ISBN: 0 7695 0253 9 Material Identity Number: XX-1999-02047

U.S. Copyright Clearance Center Code: 0 7695 0253 9/99/\$10.00

Conference Title: Proceedings of ICMCS99: IEEE Multimedia Systems '99: International Conference on Multimedia Computing and Systems

Conference Sponsor: IEEE Comput. Soc.; IEEE Circuit & Syst. Soc.; IEEE Commun. Soc.; IEEE Signal Process. Soc

Conference Date: 7-11 June 1999 Conference Location: Florence, Italy

Language: English

Subfile: C

Copyright 1999, IEE

...Title: video description on the network-interactive video representation of real world based on digital city map

...Abstract: example of ADTV. On its implementation, we propose an automatic organization method focusing on video objects in each frame to describe video data in an efficient way. The prototype system provide three basic services: description; question and answer; and image and information retrieval, about buildings as real-world video objects linked with digital city maps.

...Identifiers: digital city map ; ...

... satellite TV ;

35/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6033580 INSPEC Abstract Number: B9811-6420-008

Title: DIGISAT-S3M: the interactivity for SMATV users

Author(s): Molina, A.; Sesena, J.

Author Affiliation: HISPASAT, Madrid, Spain

Conference Title: Multimedia Applications, Services and Techniques - ECMAS'T'98. Third European Conference. Proceedings p.233-45

Editor(s): Hutchison, D.; Schafer, R.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1998 Country of Publication: Germany xvi+532 pp.

ISBN: 3 540 64594 2 Material Identity Number: XX98-01493

Conference Title: Multimedia Applications, Services and Techniques - ECMAS'T '98 Third European Conference Proceedings

Conference Date: 26-28 May 1998 Conference Location: Berlin, Germany

Language: English

Subfile: B

Copyright 1998, IEE

...Abstract: the Digital technology supported by the DYE consensus for the harmonization of technical specifications for Satellite Digital TV

distribution as well as for **Satellite Master Antenna Television** (SMATV), Cable, Terrestrial and Microwaves based systems. Nowadays interactivity is the key upgrading to enhance...

... between the broadcasting and the computer world. Interactive broadcasting systems are under definition in the **frame** of the DVB for the several transmission media. This paper describes the DVB Interaction Channel solution for **Satellite Master Antenna Television** (SMATV) systems based on the concatenation of the coaxial and the satellite sections. The satellite...

... users. The DVB Interaction Channel solutions for the SMATV users have been developed in the **frame** of the European ACTS Project DIGISAT. DIGISAT has developed prototypes in order to demonstrate the...

... commercial feasibility of the Interaction channel for SMATV based on Satellite Interactive Terminals and the **corresponding** coaxial section.

...Identifiers: **Satellite** Digital TV distribution

35/3,K/3 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

00590530 INSPEC Abstract Number: A74007610

Title: Possibility of mapping of ice conditions on large lakes from Earth satellites

Author(s): Prokachyova, V.G.
Journal: Meteorologiya i Gidrologiya no.9 p.48-55
Publication Date: Sept. 1973 Country of Publication: USSR
CODEN: MEGIAC ISSN: 0130-2906
Language: Russian
Subfile: A

Title: Possibility of mapping of ice conditions on large lakes from Earth satellites

...Abstract: the lake winter conditions from TV images. The main revealing signs of the lake ice **objects** are defined for **satellite** TV images which have the resolution of the order of 1-2 km. The methods for ice **map** construction from TV images are suggested. Five maps of ice conditions on Ladoga lake in...

35/3,K/4 (Item 1 from file: 6)
DIALOG(R)File 6:NTIS
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1611675 NTIS Accession Number: N91-31194/4

Automatic Satellite Tracking System for the NASA Satellite Photometric Observatory

Mucklow, G. H.
National Aeronautics and Space Administration, Hampton, VA. Langley Research Center.

Corp. Source Codes: 019041001; ND210491
Report No.: NAS 1.15:105037; NASA-TM-105037
23 Aug 91 36p
Languages: English
Journal Announcement: GRAI9202; STAR2923
Conference Held in Melbourne, FL, 20 Sep. 1980.
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customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A03/MF A01

... s mobile 61 cm aperture Satellite Photometric Observatory is described. The analysis techniques used to **match** the FOV and resolutions to changing seeing conditions are covered in details. Theoretical reasons for such **matching** of general interest are discussed. It is shown that the energy density in a satellite...

... seeing conditions. The Z7987 image tube is shown to be able to detect 16th magnitude **objects** under ideal seeing conditions using only 8 percent of the light collected by the main...

Descriptors: Automatic control; *Electro-optics; *Orbital velocity; *Photometry; * **Satellite** tracking; * **Television** systems; Apertures; Flux density; Image tubes; Manual control; Satellite imagery; Telescopes

35/3,K/5 (Item 1 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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04948307 E.I. No: EIP98024081188

Title: Satellite role in the interactive broadcasting era. Application to SMATV (DIGISAT project)

Author: Sesena, Julian; Prieto, H.; Molina, A.; Sedes, M.J.

Corporate Source: HISPASAT

Conference Title: Proceedings of the 1997 IEE Colloquium on EU's Initiatives in Satellite Communications-Fixed and Broadcast

Conference Location: London, UK Conference Date: 19970509

E.I. Conference No.: 47909

Source: IEE Colloquium (Digest) n 156 May 9 1997. IEE, Stevenage, Engl. p 5/1-5/10

Publication Year: 1997

CODEN: DCILDN ISSN: 0963-3308

Language: English

...Abstract: Digital technology supported by the DVB European consensus for the harmonization of technical specifications for **Satellite** Digital TV distribution, as well as for SMATV Cable, Terrestrial and Microwaves based systems. Nowadays interactivity is...

...between the broadcasting and the computers world. Interactive broadcasting systems are under definition in the **frame** of the DVB for the several transmission media. This paper describes the DVB Interaction Channel solution for **Satellite** Master Antenna **Television** (SMATV) systems based on the concatenation of a coaxial and a satellite sections, which at...

...commercial feasibility of the Interaction channel for SMATV based on Satellite Interactive Terminals and the **corresponding** coaxial section. (Author abstract) 7 Refs.

Identifiers: **Satellite** master antenna **television** (SMATV) systems; Interactive broadcasting systems; **Satellite** digital **television** distribution; Internet

35/3,K/6 (Item 2 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

04849533 E.I. No: EIP97103882925

Title: Implementation of MPEG-2 TS remultiplexer and data transport unit for HDTV satellite broadcasting

Author: Lee, Soo In; Cho, Sung Bae; Kim, Jae Han; Jeon, Hyun Ho; Oh, Deock Gil

Corporate Source: Electronics and Telecommunications Research Inst

Source: IEEE Transactions on Consumer Electronics v 43 n 3 Aug 1997. p 324-329

Publication Year: 1997

CODEN: ITCEDA ISSN: 0098-3063

Language: English

...Abstract: are based on MPEG-2 standard. The remultiplexer performs the function of MPEG-2 TS **packet** multiplexing and **corresponding** program clock reference(PCR) time stamp correction. Also, DTU can packetize and combine resource and...

Identifiers: Resource and subscriber management system; High definition **television satellite** broadcasting

35/3,K/7 (Item 3 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

02111903 E.I. Monthly No: EIM8608-054493

Title: DBS: MULTIPLE SOUND WITH TELEVISION: SOUND/DATA MULTIPLEXING.

Author: Collins, R. I.; Osborne, D. W.

Corporate Source: Independent Broadcasting Authority, UK

Conference Title: Colloquium on Better Television by Satellite - Receiver and Modulation Techniques.

Conference Location: London, Engl Conference Date: 19830314

E.I. Conference No.: 03998

Source: IEE Colloquium (Digest) n 1983/22. Publ by IEE, London, Engl p 3. 1-3. 9

Publication Year: 1983

CODEN: DCILDN

Language: English

Descriptors: TELECOMMUNICATION SYSTEMS, **SATELLITE** RELAY; RADIO BROADCASTING; **TELEVISION** BROADCASTING; MULTIPLEXING

Identifiers: MAC; DIGITAL MODULATION; MULTIPLEXED ANALOG COMPONENTS; STRUCTURE **MAP** MULTIPLEXING; **PACKET** MULTIPLEXING; DBS

35/3,K/8 (Item 1 from file: 94)

DIALOG(R)File 94: JICST-EPlus

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04385758 JICST ACCESSION NUMBER: 99A0973516 FILE SEGMENT: JICST-E

Interactive System of Real-world Video Based on Maps.

YATABE TOMOYUKI (1); KAWASAKI HIROSHI (1); SAKAUCHI MASAO (1)

(1) Inst. of Ind. Sci., Univ. of Tokyo

Eizo Joho Medeia Gakkaishi(Journal of the Institute of Image Information and Television Engineers), 1999, VOL.53,NO.10, PAGE.1430-1438, FIG.18, REF.8

JOURNAL NUMBER: F0330ACX ISSN NO: 1342-6907

UNIVERSAL DECIMAL CLASSIFICATION: 681.3:621.397.3

LANGUAGE: Japanese

COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

ABSTRACT: The amount of contents we can obtain through TV broadcasting by satellite , CATV, and the Internet is increasing day by day. In this paper, we propose a...

...TV service, called ADTV. In our method, users not only get information about specific video objects , but they can describe video objects about them using the incomplete description of portion in each frame . We discuss automatic structuring of video objects automatically using incomplete description. We implement the prototype system to provide users with some basic...

...and "Retrieval" regarding real-world video based on digital maps. The system can link video objects to digital maps so that users can retrieve an image of a building or get...

...DESCRIPTORS: map (atlas...

...pattern matching ;

...BROADER DESCRIPTORS: matching (graph...

... matching ;

35/3,K/9 (Item 2 from file: 94).

DIALOG(R)File 94:JICST-EPlus

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02996453 JICST ACCESSION NUMBER: 96A0673415 FILE SEGMENT: JICST-E
Television Pictures Production from Satellite Image Processing.

CHANG Y (1); NAKANO TAKAHARU (1)

(1) Wezanyuzu

Gazo Denshi Gakkai Kenkyukai Koen Yoko, 1996, VOL.151st, PAGE.13-16, FIG.5,
TBL.2, REF.7

JOURNAL NUMBER: S0837AAM ISSN NO: 0285-3957

UNIVERSAL DECIMAL CLASSIFICATION: 621.397+654.197 53.083.7

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

ARTICLE TYPE: Short Communication

MEDIA TYPE: Printed Publication

Television Pictures Production from Satellite Image Processing.

...DESCRIPTORS: map projection

...BROADER DESCRIPTORS: flying object ;

35/3,K/10 (Item 3 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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00584435 JICST ACCESSION NUMBER: 88A0204638 FILE SEGMENT: JICST-E
NHK studies of PCM sound transmission for television satellite
broadcasting.

KOMOTO T (1); YOSHINO T (1); OHMI K (1); TSUJI T (1); KAWAI N (1)

(1) NHK, Tokyo, JPN

NHK Tech Monogr, 1987, NO.37, PAGE.33P, FIG.48, TBL.8, REF.11

JOURNAL NUMBER: F0233AAL

UNIVERSAL DECIMAL CLASSIFICATION: 621.397+654.197 621.396.946

LANGUAGE: English COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

NHK studies of PCM sound transmission for television satellite broadcasting.

...ABSTRACT: as facsimile. The received sound quality with the reception level reduced is better than the **corresponding** received picture quality in any reception conditions for which the evaluation of the picture quality...

...DESCRIPTORS: **frame** synchronization

35/3,K/11 (Item 1 from file: 144)

DIALOG(R)File 144:Pascal

(c) 2004 INIST/CNRS. All rts. reserv.

13287490 PASCAL No.: 98-0010207

Implementation of MPEG-2 TS remultiplexer and data transport unit for HDTV satellite broadcasting

SOO IN LEE; SUNG BAE CHO; JAE HAN KIM; HYUN HO JEON; DEOCK GIL OH

Satellite Broadcasting System Section, Electronics and Telecommunications Research Institute, Korea, Republic of

Journal: IEEE transactions on consumer electronics, 1997, 43 (3) 324-329

Language: English

Copyright (c) 1997 INIST-CNRS. All rights reserved.

... are based on MPEG-2 standard. The remultiplexer performs the function of MPEG-2 TS **packet** multiplexing and **corresponding** program clock reference(PCR) time stamp correction. Also, DTU can packetize and combine resource and...

English Descriptors: **Satellite** broadcasting; High definition **television** ; Image transmission; Digital transmission; Multiplexer; System design; Implementation

French Descriptors: Radiodiffusion par **satellite** ; **Television** haute resolution; Transmission image; Transmission numerique; Multiplexeur; Conception systeme; Implementation

35/3,K/12 (Item 1 from file: 483)

DIALOG(R)File 483:Newspaper Abs Daily

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06630852 SUPPLIER NUMBER: 86899865

Another Big Merger, Another Chance for a Shakedown

Furchtgott-Roth, Harold

Wall Street Journal, p A.22

Oct 30, 2001

ISSN: 0099-9660

NEWSPAPER CODE: WSJ

DOCUMENT TYPE: Commentary; Newspaper article

LANGUAGE: English

RECORD TYPE: ABSTRACT

...ABSTRACT: Sunday, General Motors announced an agreement to sell its Hughes Electronics division, including satellite broadcaster **DirectTV** , to EchoStar Communications in a deal worth about \$30 billion. This is the latest of...

...Corp to snag this the deal. But in trying to merge his Dish Network with **DirectTV** , many insiders are convinced that Mr. Ergen has finally met his **match** in Washington's "consumer" and "public policy" advocates. If the role of government in an EchoStar- **DirectTV** merger were limited just to antitrust review, the time **frame** for decisions and the range of possible outcomes would be clearly defined. But antitrust review...
...way -- with behind-the-scenes coercion, sometimes with government coordination and support. Since the EchoStar- **DirectTV** merger was announced, some public-policy advocates have begun sanctimoniously writing the obituary for the...

...DESCRIPTORS: **Satellite television**
COMPANY INFORMATION:
... **DirectTV**

35/3,K/13 (Item 2 from file: 483)
DIALOG(R)File 483:Newspaper Abs Daily
(c) 2004 ProQuest Info&Learning. All rts. reserv.

05158267
A device inserts commercials into the tiny gaps in time as a TV surfer zips from channel to channel.

Chartrand, Sabra
New York Times, Sec D, p 5, col 1
Aug 10, 1998
ISSN: 0362-4331 NEWSPAPER CODE: NY
DOCUMENT TYPE: News; Newspaper
LANGUAGE: English RECORD TYPE: ABSTRACT
LENGTH: Long (18+ col inches)

...ABSTRACT: by someone else can call the cable company and request the location information. Soon a **map** is displayed on that person's television set, with an icon representing the sought-after person or **object** on the image to show the exact location. Mr. Reynolds received patent 5,774,825.

...DESCRIPTORS: **Satellite television ;**

35/3,K/14 (Item 1 from file: 248)
DIALOG(R)File 248:PIRA
(c) 2004 Pira International. All rts. reserv.

00289958 Pira Acc. Num.: 41301730
Title: INTERFRAME HIERARCHICAL VECTOR QUANTIZATION
Authors: Nasrabadi N M; Lin S E; Feng Y
Source: Opt. Engng. 28, (7), 717-25
Publication Year: 1989
Document Type: Journal Article
Language: English

...Abstract: for transmission and storage applications such as video conferencing, video phones, digital transmission of cable **TV** and **satellite** images. In this paper an interframe hierarchical vector quantizer (IHVQ) is described that is capable of encoding image sequence scenes at rates below 0.3 bit per pixel per **frame** . In this coding system, the impulsive component (boundaries of moving **objects**) of the interframe differential signal is separated by a quadtree segmentation method. This

region, the...

... is vector quantized with the appropriate codebooks, and the remaining regions are encoded by their **corresponding** quantized average gray level. The proposed IHVQ system is compared with a simple mean-reconstruction...
?

39/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03677418 INSPEC Abstract Number: B90051689

Title: The clash of the titans (BSB and Astra satellite TV services)

Author(s): Lee, J.

Conference Title: European Satellite Broadcasting. Proceedings of the Conference p.1-7

Publisher: Blenheim Online, London, UK

Publication Date: 1989 Country of Publication: UK vii+94 pp.

ISBN: 0 86353 177 6

Conference Date: 22-23 June 1989 Conference Location: London, UK

Language: English

Subfile: B

Title: The clash of the titans (BSB and Astra satellite TV services)

Author(s): Lee, J.

...Abstract: of advantage; and who is most likely to stay the course. The economic viability of satellite TV broadcasting depends on the existence of low cost sources of programming that can be acquired...

...Identifiers: satellite TV broadcasting

39/3,K/2 (Item 1 from file: 483)

DIALOG(R)File 483:Newspaper Abs Daily

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07531238 SUPPLIER NUMBER: 544115401

Politics Could Overshadow Legal Hurdles Of a Merger

Lee, Jennifer 8

New York Times, p C.7

Feb 12, 2004

ISSN: 0362-4331 NEWSPAPER CODE: NYT

DOCUMENT TYPE: News; Newspaper article

LANGUAGE: English RECORD TYPE: ABSTRACT

Lee, Jennifer 8

...ABSTRACT: the same issues surrounding ownership of both content and distribution arose in the News Corporation- DirectTV merger, Comcast executives said. David Cohen, executive vice president of Comcast, said, 'We think that...

...any red flags on competition grounds, the way a failed proposal to merge EchoStar and DirectTV did. 'Legally, it's a vertical acquisition,' Mr. Cohen said.

39/3,K/3 (Item 2 from file: 483)

DIALOG(R)File 483:Newspaper Abs Daily

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07116629 SUPPLIER NUMBER: 273647121

Student Arrested in DirecTV Piracy Case

Lee, Jennifer 8

New York Times, p C.2

Jan 3, 2003

ISSN: 0362-4331 NEWSPAPER CODE: NYT

DOCUMENT TYPE: News; Newspaper article

LANGUAGE: English RECORD TYPE: ABSTRACT

Student Arrested in DirecTV Piracy Case
Lee, Jennifer 8

ABSTRACT: The confidential documents contained technical specifications for DirecTV 's Period 4 generation of satellite smart cards, as well as correspondence between NDS and DirecTV discussing the card's architecture and design, according to DirecTV. The technical details about the card are valuable because the three previous generations of DirecTV access cards have already been hacked by pirates. DirecTV has been plagued by piracy. The company has 11 million paying subscribers, but industry analysts estimate that an additional million or more households illicitly receive DirecTV signals. To combat the piracy, DirecTV spent \$25 million on research and development of Period 4, which it introduced last year...

...DESCRIPTORS: Satellite television ;
COMPANY INFORMATION:
DirecTV Inc...

39/3,K/4 (Item 3 from file: 483)
DIALOG(R)File 483:Newspaper Abs Daily
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06841504 SUPPLIER NUMBER: 118607015
In Satellite Piracy War, Battles on Many Fronts
Lee, Jennifer 8
New York Times, p G.1
May 9, 2002
ISSN: 0362-4331 NEWSPAPER CODE: NYT
DOCUMENT TYPE: News; Newspaper article
LANGUAGE: English RECORD TYPE: ABSTRACT

Lee, Jennifer 8

ABSTRACT: In the past few years, satellite TV piracy has become a multimillion-dollar industry in the United States, with as many as...

...households, by some estimates, illegally obtaining programming from the nation's two big satellite providers, DirecTV and EchoStar. The desire to tap into satellite channels without paying the monthly fees has...

...agencies, and an electronic cat-and-mouse game between the pirates and the satellite companies. DirecTV, whose encryption system was cracked before EchoStar's, is pouring money and people into its...
...pirated American signals, won a ruling that it was illegal for Canadians to watch American satellite television. Within days, satellite piracy in Canada came to a stumbling halt. Storefronts were shuttered and Web sites were pulled down. Apologetic signs went up. Customers panicked. What would they do without their satellite TV? On the Monday after the Friday ruling, the shelves and tables in one Windsor store...

DESCRIPTORS: Satellite television ;
COMPANY INFORMATION:
DirecTV

39/3,K/5 (Item 4 from file: 483)
DIALOG(R)File 483:Newspaper Abs Daily

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06830076 SUPPLIER NUMBER: 116955951
Many Bidders May Pursue New Method To Carry TV
Lee, Jennifer 8
New York Times, p C.8
Apr 30, 2002
ISSN: 0362-4331 NEWSPAPER CODE: NYT
DOCUMENT TYPE: News; Newspaper article
LANGUAGE: English RECORD TYPE: ABSTRACT

Lee, Jennifer 8

...ABSTRACT: there was enough room for the satellite and wireless cable technology to share the spectrum. **Satellite television** dishes face south, toward the equator, which the satellites orbit above. Northpoint dishes would face...

...softened their tone in the face of antitrust concerns over the merger of EchoStar and **DirectTV**. Many legislators and regulators have indicated that their support for the merger will in part...

39/3,K/6 (Item 5 from file: 483)
DIALOG(R)File 483:Newspaper Abs Daily
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06695837 SUPPLIER NUMBER: 95155817
State Attorneys General Taking Steps to Block Satellite TV Acquisition
Lee, Jennifer 8
New York Times, p C.5
Dec 15, 2001
ISSN: 0362-4331 NEWSPAPER CODE: NYT
DOCUMENT TYPE: News; Newspaper article
LANGUAGE: English RECORD TYPE: ABSTRACT

State Attorneys General Taking Steps to Block Satellite TV Acquisition
Lee, Jennifer 8

...ABSTRACT: result in a monopoly in many areas of the country. Together EchoStar and Hughes's **DirectTV** satellite unit control more than 90 percent of the **satellite TV** market. Charles Ergen, the chief executive of EchoStar, has said that the merger is necessary to allow **satellite television** to compete with cable TV. He has also argued that a merged company would make...

...DESCRIPTORS: **Satellite television ;**

39/3,K/7 (Item 6 from file: 483)
DIALOG(R)File 483:Newspaper Abs Daily
(c) 2004 ProQuest Info&Learning. All rts. reserv.

06695241 SUPPLIER NUMBER: 96764435
Small Cable Operators Worry About Life After Big Mergers
Lee, Jennifer 8
New York Times, p C.1
Dec 26, 2001
ISSN: 0362-4331 NEWSPAPER CODE: NYT
DOCUMENT TYPE: News; Newspaper article

LANGUAGE: English RECORD TYPE: ABSTRACT

Lee, Jennifer 8

...ABSTRACT: general from several states have joined the debate, discussing how to block the EchoStar and DirectTV merger. One trend may be for rural cable operators and satellite broadcasters to join forces...

...broadcasting is its lack of local channels. Limited satellite spectrum means that currently EchoStar and DirectTV broadcast local channels in about 40 of the 210 defined television markets nationwide, covering about ...

...winning subscribers, executives say, particularly in rural areas. Some businesses are creating hybrid systems of satellite television and local cable. Cable Direct, in Sikeston, Mo., has purchased rural systems over the last...

...DESCRIPTORS: Satellite television

39/3,K/8 (Item 7 from file: 483)

DIALOG(R)File 483:Newspaper Abs Daily

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06691141 SUPPLIER NUMBER: 95406753

Deal Bolsters Satellites as Cable TV Competitors

HARMON, AMY; LEE, JENNIFER 8

New York Times, p A.16

Dec 17, 2001

ISSN: 0362-4331 NEWSPAPER CODE: NYT

DOCUMENT TYPE: News; Newspaper article

LANGUAGE: English RECORD TYPE: ABSTRACT

... LEE, JENNIFER 8

...ABSTRACT: deal provides EchoStar with the financial backing it needs to push forward its merger with DirectTV. This success in other countries may be one reason Vivendi and its chairman, Jean-Marie...

...But satellite companies can market nationwide, even more so if the merger of EchoStar and DirectTV is approved.

...DESCRIPTORS: Satellite television

39/3,K/9 (Item 8 from file: 483)

DIALOG(R)File 483:Newspaper Abs Daily

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06688611 SUPPLIER NUMBER: 94309260

More Hurdles for EchoStar- DirecTV Plan

Lee, Jennifer 8

New York Times, p C.8

Dec 11, 2001

ISSN: 0362-4331 NEWSPAPER CODE: NYT

DOCUMENT TYPE: News; Newspaper article

LANGUAGE: English RECORD TYPE: ABSTRACT

More Hurdles for EchoStar- DirecTV Plan

Lee, Jennifer 8

ABSTRACT: As proposed, the EchoStar and **DirectTV** merger would control 90 percent of the **satellite television** market. But EchoStar executives argue that the merger should be judged not simply on the basis of the type of **satellite television** service it and **DirectTV** provide, but in the context of the entire pay-TV market -- which includes cable and...

...backyard satellite dishes much bigger than the pizza-pan-size dishes used by EchoStar and **DirectTV**. That argument, however, was not well received by Representative James F. Sensenbrenner, the Wisconsin Republican ...

...the House Judiciary Committee. He noted that in a federal antitrust complaint EchoStar filed against **DirectTV** last year, EchoStar had maintained that big-dish providers were obsolete and declining, but in...

...Mr. [Charles Ergen] said that such companies could pose legitimate competition to the merged EchoStar- **DirectTV**. Even if compared against cable providers, an EchoStar- **DirectTV** merger would create a formidable pay-television company. **DirectTV** is the third-largest pay TV provider in the country with about 10.3 million...

DESCRIPTORS: **Satellite television** ;

COMPANY INFORMATION:

... **DirectTV**

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